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APRIL, 1910

# THE INDUSTRIOUS HEN



ONE YEAR 50c---THREE YEARS \$1

AN ILLUSTRATED MONTHLY  
FOR  
POULTRY, LIVE STOCK AND THE FARM

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Published  
By  
THE INDUSTRIAL HEN  
COMPANY  
Knoxville Tenn.





# LANGFORD'S RHODE ISLAND REDS

HAVE WON MORE PRIZES IN THE BIG SHOWS OF THE SOUTH THAN ALL OTHERS

Winners at Madison Square Garden, New York, Boston, Great Jamestown Show, Nashville, Atlanta, Charleston, Ft. Worth; a clean sweep at Louisville, 1909; a clean sweep at Memphis, 1908, the \$50.00 Cup and \$25.00 Gold Special; Tenn. State Fair, etc. **My matings are the best I ever owned. Eggs for sale. New catalogue free.**

**FRANK LANGFORD, R. R. 10, Nashville, Tenn.**

## EGGS! EGGS! EGGS! **BUFF PLYMOUTH ROCKS**

An all-purpose fowl for the farmer and fancier alike. If you haven't them try a few settings. I breed only this kind and they are the Goods as a visit to my yards will prove. Have only a few pens of select mating. Eggs, from my No. 1 Pen \$5.00 for 15; assorted, including Pen No. 1, at \$3.00 for 15 or \$5.00 for 30. Order today; tomorrow may be too late.

**LEWIS B. RUMPH** { State Vice-President } **MARSHALLVILLE, GA.**  
American Buff Plymouth Rock Club

## S. C. RHODE ISLAND REDS AND "CRYSTAL" WHITE ORPINGTONS

THE KIND THAT WIN AND LAY WHEN OTHERS FAIL

My record in the show room this season is almost unequalled by any Southern breeder, having won nearly 100 prizes, many specials, diplomas, silver cups, and shape and color specials at the following shows: Macon, Augusta, Atlanta and Gainesville, Ga., Gastonia, Asheville, N. C., Lebanon and Knoxville, Tenn.

If you want S. C. RHODE ISLAND REDS that are true shape and deep, rich red to the skin; and "CRYSTAL" WHITE ORPINGTONS that are "WHITE AS SNOW" and that win in the show room and lay in the breeding pens, you should place your order with me.

Send for my mating list that gives you a full list of my winnings and describes my breeding pens and shows you some of my prize winners from photographs as they are in my yard.

**C. A. DOBBS, Gainesville, Ga.**

Member of S. C. Rhode Island Red Club, American Rhode Island Red Club, American Orpington Club.

## COOPER'S S. C. RHODE ISLAND REDS

AGAIN WIN THE BLUE AT KNOXVILLE, TENN.

Fine Breeding Stock for Sale. Males \$2.00 and up. Females \$2.00 and \$3.00 each. Eggs from finest matings \$2.00 for 15 Incubator eggs \$5.00 per 100.

**SAM M. COOPER, FOUNTAIN CITY, TENN.**

**ORPINGTONS** I breed the Single Comb Buffs exclusively. A superb strain of heavy layers, bred for utility purposes and to meet standard requirements. They are strong, vigorous and handsome. Eggs for hatching from my three best pens for \$2.00 per 15. Will guarantee 75% to be fertile. Write for circular.

**E. C. RHODES, Box 24, Broadway, Va.**

## RYLAND'S SINGLE COMB WHITE LEGHORNS

The Big Kind--The Laying Kind--The Kind with the WINNING Ways

Listen to what one of my customers has to say about them:

Little Rock, Ark., March 21, 1910.

Mr. A. P. Ryland, "The Chicken Man", Pine Bluff, Ark.

Dear Sir:—Chickens arrived all O. K. Tuesday morning, and the same day all six hens laid and have been laying ever since. We are certainly well pleased with the birds you sent us, and should we be in the market soon for anything more in your line, you are certain to receive the order, as our dealings with you have been very satisfactory.

We are going to raise a few birds this season to show, so look out that some of your own birds do not defeat you at Little Rock.

Yours very truly,

D. B. & C. W. WING.

Utility flock that has the range of 80 acres of land. Eggs \$1.50 for 15; \$2.50 for 30; \$4.00 for 50; \$7.00 for 100. Special matings \$3.00 for 15; \$5.00 for 30; \$15.00 for 100. Winnings and mating list free.

**A. P. RYLAND, The Chicken Man**  
**PINE HILL FARM, PINE BLUFF, ARK.**



**NOTE**  
THE CLEARNESS OF OUR  
CUTS, THEY PRINT WELL



**TENNESSEE ENGRAVING CO.**  
719 CHERRY STREET  
CHATTANOOGA, TENN.  
WRITE FOR PRICES

**The SOUTHERN PLANTER**  
The South's Oldest, Largest and Best  
Farm Magazine  
and THE INDUSTRIOUS HEN, both one  
year for 50 cents,  
INDUSTRIOUS HEN CO., Knoxville, Tenn.

HERE'S A BARGAIN FOR POULTRY RAISERS WHO  
WANT STATIONERY

1000 Letterheads, 8½x11.....	\$2.50
500 Letterheads, 8½x11.....	2.00
1000 Noteheads, 6x9.....	1.75
500 Noteheads, 6x9.....	1.00
1000 Envelopes, size 6¾.....	1.75
500 Envelopes, size 6¾.....	1.00
1000 Business Cards.....	1.75
500 Business Cards.....	1.00
1000 Shipping Tags.....	1.25
500 Shipping Tags.....	.75
Cuts furnished free. Good material. Cash to accompany order.	
D. M. DUNCAN, - Printer for Poultrymen, Brandenburg, Ky.	

## EADY'S S. C. R. I. REDS

For the last two years we have won in eight leading shows of the South. 1908, won at Gadsden, Mobile, Birmingham, Ala. and Houston, Texas. 1909, won at Tullahoma, Tenn., Meridian, Miss., Gadsden, and Birmingham, Ala. Some of these Reds scored as high as 94 by Judge Marshall. We mated our birds Jan. 1st for 1910. We have 10 grand pens. Every cock and cockerel in these pens has won in some of the shows. Most of these pens are made up from prize winning hens and pullets. We expect to raise a lot of show birds from these pens. We want you to try a few settings of our eggs this year. Our price is \$2.00 and \$5.00 per setting of 15; \$10.00 per hundred. We have a lot of good cockerels and a few pullets for sale. Write for my 1910 mating list. Address

**C. W. EADY**  
GUNTERSVILLE, ALABAMA



## WHITE PLYMOUTH ROCK AND S. C. BUFF LEGHORN EGGS FOR SALE

My pens are made up of the very best stock obtainable. My prices are right. Write me your wants.

**L. A. DICK,** New Market, Tenn.

## EGGS HALF REGULAR SETTING PRICES, MAY, JUNE, JULY

Are bred to lay and win, and do it. Unexcelled the world over for beauty and great egg production. 239 egg average by eighteen noted winning hens in one year, winning for our patrons and ourselves in twenty-two of America's best shows. Special exhibition matings, \$5 for 15; \$9 for 30. Extra choice matings, \$3 for 15; \$5 for 30. Choice matings, \$2 for 15; \$3.50 for 30. Special prices in 100 lots. Breeders at bargain prices to make room for hundreds of youngsters. Satisfaction sure. Catalogue for stamp. 18 years the White Leghorn men.

**WILBER BROS.,** R. 4, Box C, Cleveland, Tenn.

## GABHART'S S. C. WHITE LEGHORNS ARE LAYERS ARE WINNERS

Great reduction in eggs for hatching. Having hatched all the youngsters we can handle will sell eggs the remainder of the season at \$2 per 15, \$3.50 per 30 and \$10 per 100. Eggs from pure blood (layers) \$1 for 15, \$5 per 100. My breeders for sale after June 1st.

**W. E. GABHART,** Box M, BOHON, KY.

# "AFTON FARM"

Mammoth Imperial Pekin Ducks  
Single Comb White Leghorns  
Barred Plymouth Rocks  
Cornish Indian Games  
White Wyandottes

**ARE BIRDS OF QUALITY AND PRODUCTIVENESS**

Naturally, you want the greatest possible value for your money, therefore get our free booklet before placing your order.

**S. B. & E. W. TWINING**  
"AFTON FARM" YARDLEY, PENNA.



# BROWN LEGHORNS EGGS \$3.00 per 15 BLUE RIBBON WINNERS

My free circular on show  
records and matings.

**E. E. CARTER**  
KNOXVILLE, TENN.  
Dept. I. H. 967 Broadway

## BUTTERCUPS

Cockerels for sale about a year old. Best blood in America. Took first prize at Fair last fall. Also AIREDALE TERRIERS.

**DR. TONEY, HUMBOLDT, ARIZ.**

## Invincible S. C. Brown Leghorns

Again win firsts, Southern Ohio Show. Eggs, \$2 to \$3.

Special offer to Southern buyers.

**HARRY T. TRAINER, CARPENTER, OHIO**

**A. C. SNODDY**  
BREEDER OF

## COLUMBIAN WYANDOTTES

Winnings, Knoxville, 1908. pul., 2 ckl.; 1910, 1, 2, 3, 4 hen, 3 and 4 ckl., 2 pen. Eggs \$1.50 and \$3.00 per 15.

NEWPORT, TENN.

## STRICKLER'S S. C. WHITE LEGHORNS

Great egg producers. Bred right, fed right and my climate is right. Its absolutely safe and result producer. I guarantee these eggs will give you satisfactory results. STRICKLER'S PINEYWOODS FARM, Box 7, Dinsmore, Fla. State Vice-President Single Comb White Leghorn Club.

# DOZIER'S FAMOUS BARRED PLYMOUTH ROCKS BARGAIN SALE OF BREEDERS

WILL BOOK ORDERS DURING MAY, FOR MAY AND JUNE DELIVERY, OF MY THIS YEAR'S BREEDERS. IF YOU WANT BARGAINS THIS IS YOUR CHANCE. THESE ARE ALL SHOW BIRDS EXCEPT A FEW DARK COLORED COCKEREL-BRED HENS. GET ORDER IN QUICK.

**C. H. DOZIER,**

**MARION, ALABAMA**

## PRIZE WINNING S. C. BUFF ORPINGTONS

At Tenn. State Fair, Nashville, 1909: 2nd cockerel and 4th pullet. At Alabama State Fair, Birmingham, 1909: 1st cockerel, 1st pullet and 2nd pen. At McMinnville Poultry Show, McMinnville, Tenn., 1909: 1st cockerel; 1st, 2nd, 3rd pullet; 1st pen, and six specials and one sweepstakes. At Knoxville Poultry Show, Knoxville, Tenn., 1910: 1st cockerel; 2nd, 3rd, 4th pullet; 1st, 3rd pens; three specials.

EGGS AT HALF PRICE AFTER MAY 1st.

**C. B. MOORHEAD, Lynchburg, Tenn.**

## S. C. B. LEGHORN AND BLACK LANGSHAN

Eggs \$1.50 per 15. Pure bred, blue blooded, nothing cheap. Every bird is from the best exhibition as well as best laying strains. Perfect satisfaction guaranteed.

**MRS. J. E. CAMERON, R. F. D. No. 7, Lynnville, Tenn.**

## CAMPBELL'S S. C. BUFF LEGHORNS

Have again proven their "QUALITY" by their winnings this season. Have captured the BLUE and SPECIALS for BEST SHAPE and COLOR in the strongest competition, and if it is "QUALITY" you want, write

**MRS. C. B. CAMPBELL, Asheville, N. C.**  
State Vice-Pres. of American Buff Leghorn Club

## A GOOD INCOME FROM 60 HENS

That's our record! We are practical poultrymen--not amateurs. We are the originators of the BEAUTIFUL "PEERLESS" BARRED ROCKS

Stock completely sold out. Couldn't meet the demand by several hundred birds, but we can supply your needs in Fresh Fertile Eggs for Hatching at very reasonable prices, quality considered. Any way let us send you our 1910 Mating List—FREE. Address

**PEERLESS POULTRY YARDS, Box 25, Washington, Miss.**

## R. C. R. I. REDS

Eggs from prize winning stock \$5 setting. Pen of 1st, 2nd, 3rd prize hens, 1st pullet, 2nd cockerel at Asheville Poultry Show, all Tuttle stock. Cockerel was sired by 1st prize cockerel at Madison Square Garden, 1909. Will have only a few settings to sell from this pen. Better order at once. Settings from 2nd pen \$1.50.

## CRESCENT POULTRY YARDS

**CARL H. MESSLER, Prop.**

**ASHEVILLE, N. C.**

## PARTRIDGE WYANDOTTES

Winnings at Asheville Show, Dec. 8-10, 1909, 1st, 2nd cockerel; 2nd, 4th pullet; 3rd hen; 2nd pen. Stock, \$2.50 and up. Eggs, \$1.50, \$2.00, \$2.50

**B. R. WARREN, R. 3, Asheville, N. C.**

## TRAP-NESTED

Winter-laying White Rocks and White Leghorns. Eggs \$1.25 per sitting. Mating list for the asking

**DIAMOND STOCK FARM  
NEWBERN, TENNESSEE**



# PARRISH STRAIN COLUMBIAN WYANDOTTES

I am through hatching and  
will sell eggs and breeders at

## HALF PRICE

### EGGS

### AND

### STOCK

## AT HALF PRICE

Write for Catalogue.

## T. REID PARRISH

NORTH STA., NASHVILLE, TENN.

### DENNIE'S

## Quality Buff Orpingtons

*Have pleased in the past and must  
please in the future. As layers and  
breeders they cannot be excelled.*

Eggs \$5.00 for 15. Two nice  
cockerels for sale. If you want  
some good Buffs, write me your  
wants—they are a pleasure.

## West Lawn Poultry Yards

John C. Dennie

51 Gilmore Ave., Nashville, Tenn.



### MOFFITT'S

Perfection Ideal Aluminum Leg  
Band—12 for 12c; 25 for 20c; 50 for  
40c; 100 for 65c. State variety bands  
are for. Send two cents for sample  
For Poultry and Pigeons.

J. MOFFITT, Southbridge, Mass.

# S. C. BUFF LECHORNS

Booking orders for eggs from the best in the South.

Eggs \$2.00 and \$3.00 per setting of 15.

ROBT. P. ADAMS, R. F. D. 1, Lynchburg, Va.

## BOLLINGER'S CHAMPION BROWN EGG STRAIN OF WHITE WYANDOTTES

My twenty years experience in breeding and perfecting the White Wyandotte enables me to offer this season EGGS from the most select matings I ever put together at \$2.00 per 15, \$3.50 per 30, \$10.00 per 100. REMEMBER I HAVE BRED, SOLD AND EXHIBITED SOME OF THE BEST WHITE WYANDOTTES IN THE SOUTH FOR YEARS. I can send you EGGS that will hatch regardless of distance. COLUMBIAN WYANDOTTES—Am breeding this beautiful variety along the same lines as my Whites. Have two pens, wonderful in color, that cannot fail to produce something good. EGGS \$2.00 per 15. Before you buy write me as I can surely please you. Catalogue.

R. S. BOLLINGER, SHANDON, COLUMBIA, S. C.

## BOYD'S S. C. BROWN LECHORNS WIN DURING SEASON 1909-10

Forty-one (41) regular prizes and numerous specials on  
forty-four (44) entries in such shows as Chicago, Atlanta,  
Augusta, Birmingham and Tennessee State Fair against  
noted national winners. Decidedly the best matings I ever  
made. Eggs \$3 and \$5 per 15. Circular free.

DR. H. T. BOYD,

Sweetwater, Tenn.


## GOLDEN WYANDOTTES (EXCLUSIVELY)

If it is Goldens you are interested in, be sure and write for  
my circular; it tells about my birds—the prizes they have won  
and my prices for stock and eggs.

If you want something good, be sure and write to

G. A. HARRISON, Sta. B, Nashville, Tenn.

Vice-Pres. National Golden Wyandotte Club and Proprietor Mapleton Poultry Yards



### CHICK-A-DEE FARM

—BRED TO LAY—

## SINGLE COMB WHITE LEGHORNS

J. A. DINWIDDIE, ROUTE 3, NEW MARKET, TENN.

## ROYAL STRAIN BARRED P. ROCKS

Are winning for us again this season as they have done in the past. Won 1st hen  
and 3rd cockerel, in Atlanta, Ga., 19 hens and 22 cockerels in class. Also winning  
this year at several other shows. Our birds are noted for their beauty of shape and  
barring. We are making a specialty of exhibition cockerels, eggs \$3.00 per setting  
of 15; two settings for \$5.00.

DES-RENA POULTRY YARDS,

Greenville, S. C.

## WHITE WYANDOTTES — CHAMPION ST. LOUIS WINNERS

FIVE GRAND PENS—MATING LIST FOR THE ASKING

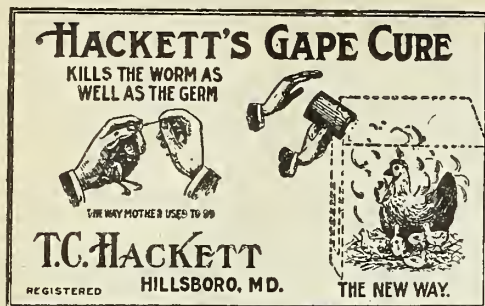
EGGS HALF PRICE

W. E. JOHNSON & SON,

Box A,

LEXINGTON, KENTUCKY





It's a powder; the Chicks inhale it. You can save your chicks even after they refuse to eat or drink, by using Hackett's Gape Cure. Ask your merchant for it. Price 25c; by mail, 35c. If you wish to know more about Hackett's Gape Cure, just drop us a postal. Dealers wanted. Prices and a list of 44 jobbers for the asking. Address: HACKETT'S GAPE CURE CO., Hillsboro, Md.

## S. C. W. Orpingtons THE STRAIN THAT LAYS

**EGGS \$2 per 15**  
**NO STOCK FOR SALE**

**J. C. MOORE**  
**DOTHAN, ALABAMA**

## SUPERIOR QUALITY BREEDS

(At St. Louis, 1909)

Awarded Highest Honors. Andalusians—1 cock, 2 hen, 2 pullet. Columbians—2 hen, 4 prizes and 6 entries. Over 5000 birds competing from 22 states. Also won at Tenn. State Fair, including Orpingtons. We have the goods, come to us.

Martin Poultry Farm, R. 5, Nashville, Tenn.

## MERITORIOUS STOCK MAKES BUSINESS

Our pens of R. and S. C. Rhode Island Reds, Barred Rocks, S. C. Black Minorcas, Columbian Wyandottes, Buckeye Reds, have been scored and mated by an expert judge and we offer eggs from our splendid matings at \$1.25, \$2.00 and \$3.00 per 15 eggs. We always endeavor to please our patrons and give them full money value. A few scored S. C. R. I. Red cockerels for sale.

J. C. CATE, R. F. D. 1, MARTIN, TENN.

## WHITE WYANDOTTE CHICKENS MAMMOTH PEKIN DUCKS

Quality Birds Bred to Lay

Won this year 15 firsts; 9 seconds; 2 thirds; 2 fourths; 3 fifths; 2 specials; Silver Cup.

Eggs, Chicken, \$1.50 for 13.

" Duck \$1.50 for 11.

C. RUTHERFORD, Box 77, EUTAW, ALA.

## S. C. WHITE LEGHORNS

The kind that lay eggs and win the prizes. Have taken firsts or seconds at all the shows have shown at this fall. Have done it without any preparation for the show room whatever. Now have my pens all mated up and can furnish eggs at \$2 to \$5 for 15.

DR. S. C. TATUM, CENTER, ALA.

## CRESCENT HILL POULTRY FARM

Breeder of

RINGLET BARRED ROCKS, R. C. B. LEGHORNS and BOURBON RED TURKEYS

Eggs, 1st Pen, \$2.00; 2nd Pen, \$1.50. Some stock for sale. My birds are farm raised, strong and vigorous and prize winners. Mail orders a specialty. Address

MRS. M. N. BARFIELD, Henning, Tenn.



Lady Baltimore  
Winner Shape Special,  
Little Rock, Ark., Score 94.

# S. C. REDS

Eggs \$1.50, \$3.00, \$4.00, \$6.00. Breeders for sale to make room for growing stock. Hens \$1.50 to \$5.00; pullets \$2.00 to \$5.00, cockerels \$4.00 to \$10.00, each. My reds won in four states, 1909.

## CHERRY RED POULTRY YARDS

D. E. Macgowan, Prop.,

1129 College St.,

Memphis, Tenn.

## INDIAN STRAIN ROSE COMB RHODE ISLAND REDS Exclusively

My stock is from 1st prize winners at New York, Boston and Indianapolis. They have won for me, in keen competition, at South's best shows. Write for my booklet—it's free. Eggs \$3 and \$4 per 15. Satisfaction guaranteed.

E. W. ALLEN,

West Nashville, Tenn.

## SINGLE COMB RHODE ISLAND REDS

The kind that lay eggs and win prizes. Day old chicks from best prize winners 30c each or \$25.00 per 100; from pens Nos. 2, 3, 4 and 5, 15c to 25c each or \$15.00 to \$22.50 per 100. Pedigreed Scotch Collies.

BERNICE N. ANDERSON,

R. F. D. 4,

Springfield, Tenn.

## REDS — ROCKS — CORNISH

BOTH COMBS

BARRED AND BUFF

INDIAN GAME

REDS from Langford & Tracy strains, Eggs \$3.00 to \$5.00 per setting. BARRED ROCKS from Thompson's famous "Ringlet" strain, Eggs \$3.00 to \$5.00 per setting. CORNISH INDIAN GAMES. Imported stock, Eggs \$2.50 to \$4.00 per setting. Special prices in large quantities.

All our stock carefully selected from the very best strains for vigor and laying qualities. If you want eggs from the very best stock send in your orders now and get something that you will be proud of at your next show. We give a year's subscription to "THE HEN" with every order for 100 eggs.

Agents for Cyphers Incubators and Poultry Supplies. Write for circular. A few nice R. I. Red cockerels for sale. HAMILTON & GRAY, Box 52, Gastonia, N. C.

## BARRED PLYMOUTH ROCKS—INDIAN RUNNER DUCKS

Two of the best utility strains in the South. Eggs from both breeds, \$1.00 to \$2.00 per setting. \$5.00 to \$10.00 per 100. No stock for sale. Satisfaction guaranteed.

RIVER VIEW POULTRY FARM,

W. F. Bayless, Prop.,

Morristown, Tenn.

## BARRED AND WHITE PLYMOUTH ROCKS

Eggs \$1.50 and \$3.00 per 15. Baby chicks a specialty. Egg prices \$1.50 after May 15. Utility year-old Barred Rock hens at \$1.50 each. Bargains.

SANFORD McFERRIN, R. F. D. 5, Springfield, Tenn.

## 1910 EGG SEASON NOW ON

We have mated four yards of extra fine OLD GOLD Strain Buff Plymouth Rocks, heavy layers, true Rock shape, uniform Buff throughout. Write for descriptive circular and price list.

BARGER'S POULTRY YARDS, P. O. Box 86 "A", YORK, ALABAMA  
N. B.—Mention INDUSTRIOUS HEN when writing.

## DAY OLD CHICKS FOR SALE

Dixon, Illinois, and Clinton, Iowa prize-Winning White Plymouth Rocks.

25 chicks, \$5.00; 50 chicks, \$7.50. Not a bird in any of my pens that scores less than 94, and all up to the Standard in all sections. Eggs from Pen No. 1, \$2.50; Pen No. 2, \$2.00.

H. H. RUTH,

Morrison, Ill.

## WINNING WHITE WYANDOTTES

At Chicago in Dec., 1909, I won 1st cock, 2nd pullet, 1st pen, and specials for shape, for color, for best display; for best cock, hen, cockerel and pullet. At the Atlanta show Jan., 1910, I won 1st cock, 1st and 5th hen, 2nd cockerel, 1st and 4th pullet, 1st pen, also sweepstakes over all pens of solid color. If you like the best, write.

M. F. MORRIS, Box 255, Atlanta, Ga.



## DEATH TO HAWKS

Life to Chickens and Turkeys.

Cock of the Walk

"HAWK"

The Barn Yard  
Robber

I take Macnair's  
Chicken Powders and  
feed my Children on  
them too. Look at me  
and observe the hawk.  
Cock a doodle doo.

Died after eating  
a chick of that old  
Rooster, which had  
been fed on Macnair's  
Chicken Powders.  
Alas! Alas!

## MACNAIR'S CHICKEN POWDER

kills Hawks, cures Cholera, Gapes, Roup, Indi-  
gestion, Leg Weakness, and keeps them free from  
Vermin, thereby causing them to produce abun-  
dant of eggs.

Sample package 25 cents with dealer's name.

W. H. MACNAIR, TARBORO, N. C.

Do You  
Love a Dog?

Well, we have eight as pretty thorough-  
bred Scotch Collie pups as you ever saw.  
They are of our very best breeding,  
fancy stock; three are black and white,  
and five are sable and white; five males  
and three females. They are beautifully  
marked with large white collars, feet and  
tip of tail white, with a blaze of white  
in the face, all subject to registration.  
Any one of these pups will make a prize  
winner and will please the most fastidious.  
They are large, healthy and as playful  
as kittens. Collies are splendid for  
minding chickens, driving cows or as  
guard dogs. They are kind and gentle,  
and love children and children love  
them. There is nothing finer than a  
beautifully marked Collie. We are book-  
ing orders now and will ship about April  
15. Females, \$15; males, \$25 to \$35. We  
have three other males not so evenly  
marked, but thoroughbred, three months  
old, for \$12. Can ship now. Satisfaction  
guaranteed or money refunded.

KNOX COLLIE KENNELS, Knoxville, Tenn.

## S. C. BUFF LEGHORNS

Eggs, layers, breeders, winners

P. M. BROWN, St. Matthews, Ky.

**E** I Have no Thousand **E**  
**G** Dollar Birds, Neither **G**  
**C** Have I the 200 Egg **C**  
**S** Strain, They don't Exist. **S**  
I will send you a Setting of my best and  
good as the rest; Buff Orpingtons, B. P. Rocks,  
S. C. R. I. Reds, of 15 Eggs, guaranteed to be  
fertile and true to name, from healthy par-  
ents. For the next forty days I will book  
your order to be delivered after March 1st for  
the sum of \$1.00. EAST CHARLOTTE  
POULTRY YARDS, CHARLOTTE, N. C.

PHILADELPHIA

**CHASE'S**

**Blood and Nerve Tablets**

The Great Tonic  
For Old People

Build Up the Vital Forces.

Price, 50c. Book free. Dr. Chase,  
224 N. 10th St., Philadelphia, Pa.

Send for HOPE'S  
New Jewelry Catalogue

Profusely illustrated. It's free on request. Shows the very latest ideas in Fine Jewelry,  
Tennessee Pearl Jewelry, Watches, Gems, Sterling Silver Novelties, Flatware and Hollow-  
ware, Libbey Cut Glass, Rookwood Pottery, Pickard China and other fine Gift Wares.

WEDDING INVITATIONS, Announcements, Cards, Stationery, richly and correctly  
engraved in our own plant. Send for samples and prices.

JEWELERS  
EST. 1868HOPE BROS. 519 Gay Street  
KNOXVILLE, TENN.

## SICILIAN BUTTERCUPS

Eggs From Winning or Exhibition Birds

Original, imported blood. None finer. Circular sent on request.

MRS. J. S. DUMARESQ

CATO'S HALL,

EASTON, MD.

## TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at  
such shows as Aberdeen and Meridian, Miss., Nashville and Bristol, Tenn., Augusta  
and Atlanta, Ga., Charleston, S. C., Houston and Marshall, Texas, Birmingham,  
Montgomery and Mobile, Ala., also in the hands of my customers at many of the  
Big Southern Shows, such as Dallas and Ft. Worth, Texas, Oakland, Cal., and  
Portland, Ore.

Eggs, Prize Mating, \$5.00, Special Mating, \$2.00.

Some extra fancy Cockerels and Pullets for sale, also some good breeding stock.

Write for circular of winnings and matings.

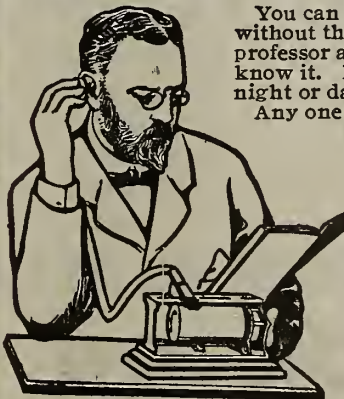
L. K. TERRELL, Birmingham, Ala.

## SINGLE COMB RHODE ISLAND REDS

Farm raised, heavy layers. Eggs a specialty. Standard in size and color. Good  
for business, beauty, and for show. Booking orders for eggs now. Prices reasonable.

PINE BURR POULTRY FARM, J.W. Snoddy, Prop., Morristown, Tenn.

## LEARN A FOREIGN LANGUAGE



You can do it during your spare time in your own home, easily and quickly  
without the aid of a teacher. We furnish you with the living voice of a native  
professor and he pronounces each word and phrase over and over until you  
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Any one can learn a foreign language who hears it spoken often enough  
and with this method you can hear it as often as you like.

## The Language-Phone Method

Combined with

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is the natural method for acquiring a new language. It trains the  
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dry, tedious and tiresome rules and makes language study a  
pleasant mental recreation. It is not expensive—one or all the  
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On request we will send testimonial letters from leading  
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Fifty varieties pure bred chickens, ducks, geese and turkeys. Northern raised, hardy and fine in plumage. Prize winners at the world's largest shows; lowest prices on stock and eggs, incubators, brooders and poultry supplies. Large illustrated catalogue mailed for 4c.  
C. M. ATWOOD, Box J-35, Dundee, Minn

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Owing to the fact that the Association has too many of these books on hand, we have been enabled to purchase a supply at a greatly reduced rate, and can furnish them to our readers at the same price of the cloth-bound books. These handsome leather-bound books are identical in every particular with the latest revised, 300-page edition of this work, but the binding is much more expensive and durable.

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THE INDUSTRIOUS HEN, Knoxville, Tenn.

## WHITE LEGHORNS

I have no other kind

Pen 1, Blanchard stock only, direct from Fairview Farm—Eggs \$1.50 per 15.

Pens 2, 3 and 4, excellent matings—Eggs \$1.25 per 15.

White Fantail Pigeons for sale.

PAUL W. BARCLIFT

HARTSELLE, ALABAMA

Reference:

First National Bank.

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Baby Chicks and Ducklings  
**PLUTO STRAINS**  
AMERICA'S BEST BLOOD  
Health — Strength — Quality — Utility

Send for Booklet and Price List  
**Frogdale Poultry Farm**  
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FRENCH LICK, IND. **PLUTO** Indian Runner and Pekin Ducks

## S. C. RHODE ISLAND REDS (EXCLUSIVELY)

We offer 50 very fine early hatched cockerels at \$3 and \$5 each. Birds that are good enough to improve any one's flock. Only a few pullets and hens to spare.

We have mated 10 yards for best results, and eggs all show strong fertility. \$2 per setting; two settings for \$3.50. Incubator lots a specialty at \$8 per hundred.

Thirty-five prizes at last two State Shows tell the quality. Free Circular.

## LAKEMONT POULTRY FARM

WARD & LANE, BOX 57 WINTER PARK, FLORIDA

## WALLACE'S S. C. RHODE ISLAND REDS FIRST PRIZE WINNERS

If you want high class Rhode Island Reds write me today for show winnings and mating list. It tells you what I have in my breeding pens.

JOE L. WALLACE,

DALTON, GA.

## The American Beauty Strain of Single Comb Rhode Island Reds CAN NOT BE SURPASSED

Heavy layers, standard in shape, size and color. Book your orders early for eggs for your prize winning birds. Eggs \$5 to \$10 for 15. A few fine cockerels for sale. Also registered Berkshire pigs. Address

E. D. HICKS,

Bellevue, Tenn.

## FORBES POULTRY YARDS, New Decatur, Ala.

Breeders of Barred Rocks, Black Minorcas, White Wyandottes, Brown and White Leghorns. Champion prize winners wherever shown. Stock for sale. Eggs, \$2 to \$5 per 15. Won at Alabama State Fair, silver cup for best chl. hen and pullet, White Leghorns; specials for best display Mediterranean class and for best cock, cockerel, hen, pullet and pen; 35 ribbons and 11 specials.

## FOR SALE ---- BARRED PLYMOUTH ROCK EGGS

Winnings from my own breeding and raising, no bought stock: 1st cock; 1st, 3rd hen; 1st, 3rd pullet; 2nd, 5th cockerel; 2nd, 3rd pen; silver cup for best display at Augusta, Ga., Nov., 1909.

A FEW FINE COCKERELS FOR SALE

W. E. WALL,

Vaughan, S. C.

## RHODE ISLAND REDS PRIZE WINNERS HEAVY LAYERS

Being among the first to introduce Reds in the South, and with our experience as breeders, are in better position to furnish you Reds worth buying, and Eggs worth setting than others. Will make a specialty of Eggs for hatching this season.

Prize Pens, \$5.00; Special Pens, \$3.00; Select Pens, \$2.00, for setting of 15 eggs.

Mating list showing winnings free. Satisfaction guaranteed.

WEST DURHAM POULTRY FARM,

West Durham, N. C.

## BOOK ON ORPINGTONS

Send 10c today for club book. Tells why Blacks are best of Orpingtons. The favorite of all who breed the three varieties together. Tells of Australian Government proof of laying supremacy—most rapidly maturing fowl—largest of white meat—largest and most beautiful of Orpingtons. MILTON BROWN, Secretary. Cheviot Poultry Farms, Cincinnati.



# THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 6

Knoxville, Tenn., April, 1910

(Whole No. 71) No. 11

## EAST TENNESSEE FARMERS' CONVENTION

**T**HE thirty-seventh annual meeting of the East Tennessee Farmers' Convention and Institute will convene at the University of Tennessee, Knoxville, May 17, and continue three days.

Discussions of the subjects on the general program will take place in Jefferson Hall. Important subjects on this program are:

Corn: Varieties, Selection, and Improvement—Prof. C. A. Mooers, University of Tennessee.

The State Seed Law—Prof. S. M. Bain, University of Tennessee.

Good Roads.

(a) Best Means of Financing County Roads—Hon. John H. Caldwell, Bristol.

(b) Construction—W. S. Keller, Office of Public Roads, U. S. Department of Agriculture, Selma, Ala.

Economical Maintenance and Development of Soil Fertility—Director Chas. E. Thorne, Ohio Experiment Station, Wooster, Ohio.

Agricultural Education and Extension in its Relation to the Farmer and the Public School—Prof. Geo. I. Christie, Purdue University, Lafayette, Ind.

What the State Department of Agriculture and the Experiment Station may do for Poultry in Tennessee—Hon. T. E. Quisenberry, Secretary Missouri State Poultry Board, Columbia, Mo.

Fire Waste in Tennessee—A. H. Tipton, Fire Marshal of Tennessee, Nashville.

State, District and County Fairs as Factors in our Agricultural Development.

(a) The State Fair—Hon. A. P. Sandles, Secretary of Agriculture of Ohio, Columbus, O.

(b) The District Fair—Frank D. Fuller, Secretary Tri-State Fair and Exposition, Memphis; W. J. Oliver, President Appalachian Fair Association, Knoxville.

(c) The County Fair—W. J. Webster, Columbia.

The Agricultural Short Courses for Farmers—Phil S. Taylor, President Tennessee Agriculture Short Course Club, Embreeville.

In addition to the general program, five separate sectional programs have been arranged, devoted respectively to the subjects of Live Stock, Dairying, Poultry, Horticulture, and Home-Making. The sectional programs will each occupy two afternoons (the Home-Making section will also have morning sessions), and will be held in different buildings. The Live Stock section will be given in Jefferson Hall; the Dairy section, basement of Morrill Hall; the Poultry section, Y. M. C. A. Assembly Hall; the Horticultural section, first day, Morrill Hall, second day, University Fruit Farm; the Home-Making section, first floor, Carrick Hall. Each of these separate sectional programs has been carefully arranged to furnish a thoroughly comprehensive review of the subject to be discussed. We give below the complete program of the poultry section, to be held in the Y. M. C. A. Assembly Hall:

### POULTRY SECTION

FIRST DAY, TUESDAY, MAY 17

*Afternoon Session, 1:30 o'clock.*

1. The All-purpose Hen—Dr. T. J. McKamy, Cleveland.
2. Shall More than One Breed be Kept on Each Farm—Prof. T. C. Karns, Powell Station.

3. The Best Way to Dispose of Farm Poultry—W. J. Fraser, Knoxville.

4. Caponizing—Capt. T. E. McLean, ex-President East Tennessee Poultry Association, Knoxville.

5. Organization—Shall We Have a State Association?

SECOND DAY, WEDNESDAY, MAY 18

*Afternoon Session, 1:30 o'clock.*

1. Poultry Raising from an Educational Standpoint. Prof. V. S. Bright, Hickson.

2. Poultry Statistics. T. L. Bayne, Russellville.

3. Discussion—Led by N. R. Williams, Jonesboro.

4. Economical Equipment for Practical Poultry Raising on the Farm.

(a) Land, Fences, and Crops—J. A. Dinwiddie, New Market.

(b) Incubator and Brooder—Robert S. Porter, Knoxville.

5. The Relation of the Breeder to Better Farm Poultry—Hon. T. E. Quisenberry.

At the morning session of the Home-Making section, Thursday, May 19, Mrs. W. B. Madden, of Knoxville, will be heard in an interesting talk on the subject: The Poultry Yard and the Farmer's Wife.

In many respects, this will be the most important session the East Tennessee Farmers' Convention has ever held. Many new features have been added, and each subject will be discussed by able specialists.

The poultry section is especially fortunate in getting Hon. T. E. Quisenberry, of Missouri, on the program. Mr. Quisenberry is perhaps the most prominent man in poultry circles in his State. Indeed he has a national reputation arising from his great work in advancing the interests of the poultrymen of his State. He will be heard at the evening session, 7:30 o'clock, on Wednesday, May 18, on the all-important question: What the State Department of Agriculture and the Experiment Station may do for Poultry in Tennessee. This address will be given in Jefferson Hall and it is especially desired that all poultrymen throughout the State attend. It is time our Tennessee government was doing something to encourage this great branch of industry, the aggregate value of which to the people of the State exceeds that of several leading farm crops combined; and we know of no one better qualified to tell us how to go about this important work than Mr. Quisenberry, who has accomplished so much for his own State in this same line.

The matter of organizing a State Poultry Association will be discussed at this convention. Tennessee has a number of strong local associations that are accomplishing much good, and these are bound to continue to expand, both in membership and influence. But it appears to us that a strong central organization, supported by the poultrymen from all sections of the State, could exert a much greater force in bringing about some of the important things that are so desirable and necessary to insure the fullest measure of benefit to those who have chosen poultry culture either as a business by itself or as a side line in connection with other farming operations. It is to be hoped that poultrymen from all over the State will attend the convention, so that the subject may be discussed from various standpoints and a satisfactory method of organization gotten under way and worked out in the shortest possible time.



# PROFITABLE TURKEY CULTURE

WRITTEN FOR THE INDUSTRIOUS HEN BY J. C. CLIPP, SALTILLO, INDIANA

**I**T would be almost useless for me to repeat that turkeys are one of the best paying fowls on the farm. Geese and ducks are profitable as well as turkeys. The Southern people are well aware that turkeys are very profitable, and it's my opinion that turkeys pay better than any other fowl on the farm. They have no equal as scavengers. If you wish your place cleaned of insects, worms, etc., they can do it neatly and quickly which is a saving to crops, and is profitable in the way of developing the turkeys in the best possible manner. The selfishness that dwells in the hearts of some people is a detriment to them when it comes to making a howl because his neighbor's turkeys happen to cross his farm occasionally. I have never yet discovered any damage done by turkeys ranging on our farm and I have seen quite a number of youngsters grown on our farm. They will not eat enough grain to fatten a fly during "grasshopper season." The majority of people enjoy the custom of granting favors and will not object to the neighbor's turkeys ranging on their farms, but occasionally one will. You can easily read the individual's character when he brings up a "howl" because he finds somebody's turkeys on his place. This sort of character is as a rule, classed with the egg-swapping class. Some people in our land are so selfish, or so stingy, or so dishonest—I really can't say just which phrase is the better; but I rather think as a rule such people can digest the whole mess and live, because they have the nerve to set around and wait until you send off and buy a nice trio, pen, or a setting of eggs of pure bred chickens or turkeys, and as soon as they discover you have some real fancy fowls, they come over some afternoon just to see if they might "swap a few settings of eggs with you." The breeder that is soft enough to be gobbled up after this manner should be sent to the insane hospital or some other miserable institution. The party that has the ambition to invest in pure-bred fowls should not be imposed upon in such a manner. It's no imposition for turkeys to roam over your pastures, they are a benefit to the farmer who should encourage the breeding of turkeys as well as all varieties of pure bred fowls.

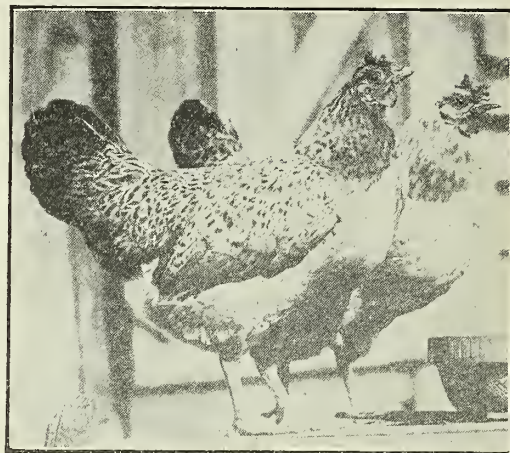
It is true that poults require some more attention while young than chicks, but they will not require half the amount of feed. The greatest mistake some turkey growers make is in trying to economize by buying or using only small inferior stock to breed from. No one can expect to do much in the turkey business by using small inferior specimens just because they can be had for less money. I am convinced that nine out of ten cases of "black head" reported to me recently can be traced directly to inbreeding or using run-down, inferior stock. A farmer of our acquaintance this season bought two pullets of our strain and would not accept anything but the very smallest late hatched specimens in the flock. It's right to the opposite with myself, I breed from the best or not at all. I am using this year a 1909 hatched tom that weighed 35 pounds the first day of February, not fat, only in ordinary flesh, yet some of those so-called conservative fellows will say, "why don't you sell that big fellow; he'll bring a big price now." But I find the best is none too good, and hard to get, hence, I prefer something above the ordinary and will not accept any other. If you wish to make money out of anything do your best to have the best. If you have a better strain than your neighbor I guarantee you will enjoy the best business. One of our neighbors has a reputation of keeping only the best mules that can be found, hence he sells his mules for almost twice as much as any one else in the neighborhood. Only a few days ago he sold a pair of mare mules for a long price to a man from a distance, just because his name is spreading all over the land as an expert mule man. Same is true of the turkey business. If you will insist on having only the very best money will buy, the demand will increase for your stuff. I shipped a tom to New York recently and my customer was so well pleased he wrote me for another, but sorry to say I was out. I might add that this same party bought a tom of me three years ago, and says the bird now weighs fifty pounds. It's the best that sells and not the small, inferior birds.

You will find turkeys the easiest to handle of any fowl. I feed my poults the least of any fowl I ever raised, in fact they will do best on but little artificial foods. They are self-supporting and will make their own way, and transform the weed seeds, bugs, worms, etc., (that destroy thousands

of dollars each year for the farmers) into good money. Give your poults free range and but little food and you will raise the majority you hatch. Of course you will have to use good judgment about feeding. If they have free range, they will require but little feed; but if the range is limited, you will be compelled to feed more. In any event, raise turkeys, if you are on the farm, and raise only the best.

## THE BUTTERCUPS

In reading the many interesting articles in your valuable paper, I wish to say something about the Buttercups—the "farmer's friend." For the production of eggs there is no other breed of chickens that approaches them. The Leghorns, Hamburgs, Wyandottes—even the Rhode Island Reds—are not in it. They leave them all in the distance. Buttercups are non-sitters, and lay a large, pure white egg—as large and as pretty as the White Leghorn—and they lay even when moulting. They have greenish yellow legs. The comb is



on top of head, resembling the petals of a flower, hence the name. The hens are clear buff, laced or spangled; the cocks, clear red with black main tail feathers and wing flights. Both cock and hen are beautiful fowls. They are very tame, gentle, and friendly, and are great foragers; taking very little to feed them, much less than other varieties. They are very hardy and seem to be free from roup and other diseases. I know of no other fowl quite so unique. Their record has reached 300 eggs per hen.—MRS. J. S. DUMARESQ, Easton, Maryland.

## THE APPALACHIAN CHANTICLEER

Here's to the mighty Chanticleer,  
He cackles and crows without a fear  
The little "brown hen" too,  
Holds an enviable position,  
Look out for her!  
She's Coming by the thousands  
To the  
GREAT APPALACHIAN EXPOSITION  
Next Fall—That's All

## RAISE SMALL FLOCKS

Small flocks of chickens produce more eggs, proportionately, than large flocks. This is because the small flocks receive more attention than large ones. When keeping chickens becomes disagreeable because of too much work, the fowls are soon neglected and the profits fall off. The average farmer's wife cannot care for a flock of 100 to 200 hens and do justice to the work. A few chickens offer an amount of work that any woman can afford time to attend to. It is useless to keep more chickens than one can profitably care for. Table scraps given to a small flock will save considerable outlay for feed and keep the hens healthy and cause them to lay well. Where but a few hens are kept symptoms of disease are soon discovered and easily combated. In a large flock one sick bird may infest the entire flock before it is noticed. To keep the hens laying, care should be taken to keep the hen-house clean and free from mites.



## ARE THE AMERICAN HEN'S EGGS TOO SMALL?

"Eggs laid by the American hen are too small" if we are to accept as correct the statement of Dr. Harvey W. Wiley, Chief of the Bureau of Chemistry, Department of Agriculture. He says that "a hen has just so much egg-producing capacity, taken in bulk, and that the aim of breeders is to increase the number of eggs by reducing their size. We should buy everything by weight. In France the law has gone so far as to make provision merchants sell eggs by weight, instead of by the dozen. Here we stick to the dozen. What is the result? Why we get the smallest eggs that can be produced. The principles of breeding are applied to hens in such a way that they are laying the smallest egg possible. In an egg we get less and less weight by nutriment, so that the hen will be able to lay more eggs to be sold at a rate per dozen."

The editor of *Poultry* differs somewhat from the conclusions of Dr. Wiley concerning any noticeable tendency to promote the production of small eggs, but agrees with him that eggs should be sold by weight. He says:

"Dr. Wiley's argument is not a strong one as there is no observable tendency to promote the production of abnormally small eggs in this country. The average egg weighs two ounces and we believe we are safe in saying there is no tendency for the size eggs to decrease. As a matter of fact breeders all over this country are inclined to boast about the size of the egg their flocks produce, when they have reason to do so, and the man who breeds large-egg Leghorns will have no trouble finding buyers for his stock. We are in full sympathy with any movement that will make for selling eggs by weight as that is the only logical way to sell any food product. In Australia one of the rules of the Laying Competition is that eggs below two ounces in weight shall not count and the result is that hens that lay small eggs have disappeared from the competition."

For years there have been those who advocated the selling of eggs by weight, and while that may be the most "logical way" from a consumer's standpoint, we are inclined to doubt whether it will ever become customary in this country. If the breeder will furnish us good, sound, fresh eggs of a reasonable size, the buying public will not, we think, become incorrigibly insistent in its effort to bring into use any radical change in the method of dispensing so common an article as eggs. We think the new way too inconvenient to harmonize well with out hustling, hurrying American ways.

## SEE THE GREAT SHOW

From the 12th of September to the 12th of October, this year, the readers of THE HEN will have an opportunity for the trip of their lives. You must come and see us at the great Appalachian Exposition in Knoxville. You will never again witness such an array of poultry of all breeds and high degrees of perfection.

Not only poultry, but every other product of the Appalachian country will be there. The products of the fields and gardens, the mines, the forests, manufactures and arts—everything produced by the skill of man will be on hand. You can't afford to miss it. No effort will be spared to make the great show a success. The publicity committee will place posters in every railway station of the South. An artistic button has been devised for wide distribution. General passenger agents of all the Southern railways have been appointed by President Oliver to cooperate in planning excursions and reduced fares. Knoxville is noted for its artists, who, under their chairman, Mr. Lloyd Branson, are arranging for a grand display of fine art. The press bureau has been engaged in the interest of a wide publicity. These are only a few of the many things doing, and to be done, for the success of this greatest Southern Exposition. You can't afford to miss it.

## SILVER WYANDOTTES—THE STANDARD NAME

Speaking with reference to the confusion that sometimes arises among beginners concerning the so-called Silver "Laced" and Silver Penciled Wyandottes, *The Silver Wyandotte Journal* says:

"At the present time no error is being more widely circulated than that of calling our variety the Silver Laced Wyandotte. To such an extent has this name been used that many fanciers both old and young do not know that the real name, the Standard name, is Silver Wyandotte. There is dignity about the simple name Silver Wyandotte that can not be added to by any adjective. Ours is the old, original Wyandotte; the variety that made the breed famous;

as such it should be allowed the privilege of being known by its old, distinctive name. Many fanciers are complaining just now that beginners are confusing the Silver Laced and the Silver Penciled Wyandottes; praying for that reason that we cease saying Silver Wyandotte, and henceforth say Silver Laced Wyandotte. Why are the two varieties becoming confused? Simply because that word *laced* was added to the old, original, Standard name. There is no reason why Silver Wyandottes should ever be confused with Silver Penciled Wyandottes. In the matter of advertising, furthermore, money and space can be saved by eliminating the word *laced*. Many examples of this could be given, but they are unnecessary. Many of the old fanciers who began breeding when only the Silver Wyandotte was in existence lament the fact of this added adjective. I quote from the letter of one of them: 'But why the Silver Laced Wyandotte? Is not the Standard name good enough? My very heart protests at the word laced being added to identify the Silvers. The Silvers being the original Wyandotte, we should stick to the Standard name.' I am heartily in favor of the protest. It grates on my nerves to hear the expression Silver Laced; especially when I know this is not the name. Let us then all turn to our Standards and note the name, Silver Wyandotte. Let us, thereafter, all be thoughtful for a while, until we have become used to saying and writing Silver Wyandotte. Our variety stands at the head of the list. Let others add descriptive adjectives for other varieties if they wish; none is needed to distinguish the good old Silver Wyandotte."

## APPALACHIAN EXPOSITION

The prospect is that this Exposition will be the greatest ever held in the South. The men back of it are hustlers and know no such word as fail. Knoxville business men are aroused and furnishing the means for carrying on the work of preparation and advertising. Already mountains of earth have been removed and the great Exposition building is going up in Chilhowee Park. The Forestry building is also under way and pens and other accommodations for live stock. The laying off of the beautiful grounds has also been provided for. A more charming place with lake and fountains, hill and dale, and natural groves, could not have been found.

Congressman Austin of this district, is pushing through a bill to provide a government appropriation and building. He has also secured the hearty cooperation of both the Army and Navy Departments at Washington. They are to be represented by exhibits.

President W. J. Oliver is a whole host within himself when it comes to hustling an enterprise of this kind. He has also secured as his assistant Sanford H. Cohen, of Georgia, who will take charge of details and thus relieve the president of a great burden. Mr. Cohen has had previous experience in the management of several expositions at Augusta, Atlanta, and other points. He is the best exposition man in the South and has a national reputation. Thus another great step has been taken to make absolutely certain the wonderful success of the great Appalachian Exposition.

## GAPE CURE

Gapes are the result of parasitic worms in the windpipe. One cure is to dislodge them. This is sometimes accomplished by placing the chicks in a box covered with muslin and dusting fine lime through the cloth. The chicks breathe the lime, and, as it comes in contact with the worms, these let go of the membranes and are dislodged by the coughing and sneezing caused by the lime. To prevent gapes, keep the chicks on ground where fowls have not previously been. This may be done either by spading old ground deeply, each year, or keeping them outside the poultry yard.

John A. Murkin has again been appointed superintendent of the Tennessee State Fair Poultry Show, Sept. 19-25. It goes without saying that no mistake was made in this appointment. When it comes to managing a poultry show, Mr. Murkin is always "there with the goods."

The trap nest is a regular detective. It tells the facts of the case, it tames the hens, it gives accurate reports, it arrests the robber hens, it gives an honest count, and it exposes the fraudulent hens.



# THE SOUTH AS A FIELD FOR POULTRY

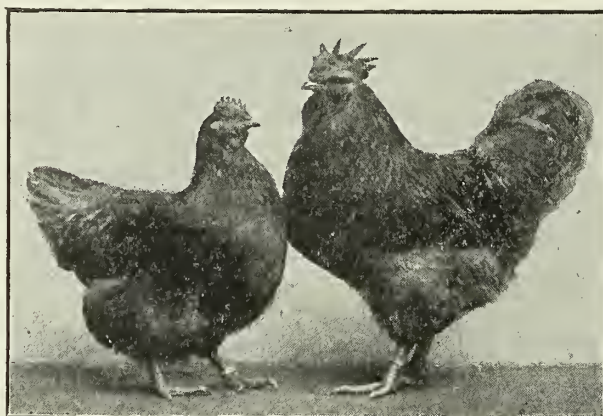
WRITTEN FOR THE INDUSTRIOUS HEN BY MRS. S. C. BRIDGEWATER, DIXON SPRINGS, TENN.

THE South is a land without a rival in its bright mornings, sunny noons and starry eventides—without a rival in green fields, silvery streamlets and azure heavens. Italy may have bluer skies, but they are beyond the Alps; Switzerland may have clearer lakes, but they are shut in by narrower boundaries. Nowhere are there as *many* broad acres

the purse that erstwhile was but thrash. Musing on the retreating years of five decades that have silently slipped into the infinite guidance of Him Who gave them birth, we see the plantations of the "old South" white with cotton bloom, sweet with the odor of the ripening sugarcane, and resounding with the deep throated harmony of



Helen of Troy



Elizabeth, the Queen  
Leopold, the King



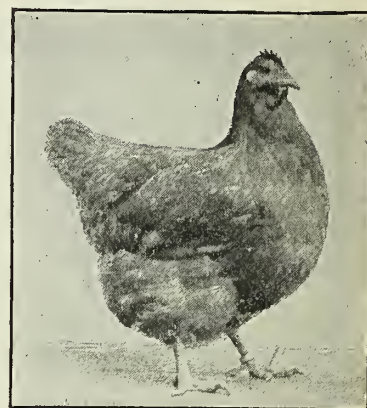
Alice the Useful



Agnes the Good



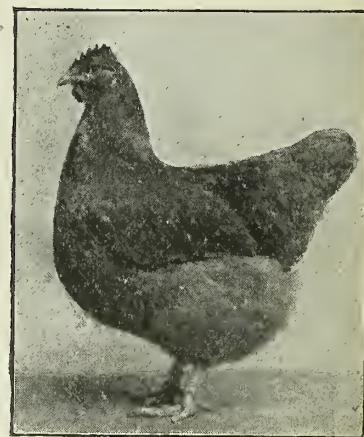
Mrs. S. C. Bridgewater  
Dixon Springs, Tenn.



Mary Beaufort, the Mother Bird



Frances Allen



Minnie Guill, a Fine Lady

## MRS. BRIDGEWATER AND HER FAMOUS BUFF ORPINGTONS

under as wide scope of unrelenting sunshine. The South! What a world of melody fills the air at the touch of the fairy wand of thought, recalling "Dixie" and "The Girl I Left Behind Me!" The South! What a world of industry has arisen from the ashes of her vanished past! What a world of unused material is growing on her surface, blowing in her breezes and gleaming in her sunshine for the almost virgin industry of poultry culture, the industry that should appoint in every farm yard a gallant Chanticleer to herald the dawning of the morning hours and halt the dancers at the midnight of the closing year; the industry that should make merry music for the hillsides and the dales, and merry hearts for the matrons, maids and males, and merry jingling of the guineas to fill

contraband coon songs rising and swelling in dulcet measures to the flashing of the cutting-blade and the moving of the nimble fingers as they lay low the mellifluous stalk and bag the white pods, which by and by will be transformed into a harvest of gold. These were the days when the toil of *man* was the *only* factor counted in the nation's wealth. These were the days when the mothers donned their robes of silk and the graceful mantillas draped their ease-loving shoulders, whose highest mission was a place for loving heads to rest and loving hearts to deal out their timorous tales of romance with some princely swain of southern chivalry.

These were the lotus-eating days of dreamful peace. But a *change* came over the homes of our luxurious land in answer to the red cry of war, and though bathed in manly



blood and washed in woman's tears and dotted over with silent cities of the dead, it brought a change of conditions and opportunities and opened a new world to woman. Labor is now dignified for *all* alike and made almost majestic to woman, when she crowns it with success, a success adorned with the grace of a tender hand. No longer must the mothers and sisters and wives and sweethearts sit with folded hands and dream the day away, for the world of *action* invites them. And no pursuit now open within their grasp, is more suited to their strength or productive of greater reward than the perfecting of the farm yard fowls whose intrinsic worth and natural beauty respond so readily to pains-taking care. And in no other land can these fowls be brought to greater perfection at so little expense of mind, muscle and money. Indeed, with our salubrious climate, our vast territory, our semi-tropical sun, our stretches of green and our long love-dream summers, more eggs and more downy-feathered things are possible in the South than anywhere else in the great empire of God. We only need women as guardians of the poultry yard to make this one of the most lucrative fields of business, affording also a graceful and

healthful employment, curing ennui and soothing griefs.

I am a breeder of Buff Orpingtons. My "Joyous Garde" poultry yards are hedged about with bonny sweetbriars, stately hawthorns and modest daisies and daffodils, and within, are my birds of golden wing, almost converting the ancient fable into a verity of the hen that lays the golden egg. Far in excess of my supply is the daily demand for eggs. Why will not more breeders help answer this crying need? Why should *we*, in our favored section, let our neighbors of the North bear off the victor's palm? What I can do, other women can do. We need only an enlargement in our ranks to convince the nation that the South can have the superbest birds in Christendom. Let every woman possess the breed of her choice, only let it be the highest of its kind. Let us push our opportunity to show our worth. Let not a scattered handful claim the returns that belong to every woman in a land where the wild flowers spring, indigenous to the soil, and the red-bird whistles in the mating time, in answer to the perfumed breezes which bear him aloft to his leafy home among Southern trees kissed by God's eternal sunshine.

## A NATIVE APPALACHIAN'S OPINION

WRITTEN FOR THE INDUSTRIOUS HEN BY REESE V. HICKS, EDITOR POULTRY CULTURE, TOPEKA, KANSAS

THAT great region known as the "Appalachian Country" is peculiarly adapted to poultry production. This is an old statement that has been often repeated in the poultry and the farm press of this section. Often I used it myself when I lived in that country and was boasting as well as boasting of the glories of our Southland—not the least of which was the ability to produce chickens of the highest order and in the greatest abundance. Then I believed it; now I know it is true. My few years browsing around among poultry people from ocean to ocean and the Gulf to the Canadian line, makes me know what I only believed when I lived in the hill country.

When living there, I could be accused of partiality because it was my home, and my financial interests were there. Now, with all my financial interests, as well as my home, transferred to another part of the country, I certainly ought to be above prejudice.

Poultry raising demands certain things for greatest success. One of them is sunshine. Just a little farther South of the Appalachian region the sunshine is too strong, while just a little farther North you don't get enough. Moderately cold winters keep down the vermin, yet too much cold freezes the combs or hurts the egg yield. Moderately dry spring months are fine for the growing chicks. You get these in the Appalachian territory. Well drained locations are important, and where can you find a better drained section than in the middle South among the hills and foot hills of the Appalachian mountains? Houses are necessary. With the lumber on almost every farm, this territory in the South can rival the world for cheap poultry houses. This is brought home to anyone when you buy any kind of lumber here in the West at 2 cents a foot.

But sunshine, location and houses will not make chickens feed at the right price and of the right kind is a most important consideration. No section of the country can produce grain more economically than the Middle South. Everything grows in the territory of 150 miles surrounding Knoxville that can be grown in the temperate zone. And it grows reasonably well, too. It may be that the grain will cost a little more than it does here in Kansas but lands are not so high, the lumber is not so high, and other things about off-set it. So that section of the South is at least on a par with anywhere else in poultry production opportunities.

Located, then, as Knoxville is, in the center of such an ideal poultry territory, there is every reason why one of the greatest poultry shows ever held should be "pulled off" at the great Appalachian Exposition in October. With fine railroad facilities, and a large special building capable of holding 3,000 birds, a record breaker in quality, as well as numbers, should be held.

The management, not only of the entire Exposition, but also the poultry department, is such that every breeder can know that he will receive fair treatment and what is coming to him. The management of the poultry department will certainly push a big poultry show with vigor and the determination that takes no denial. That they will win out with an immense show is a foregone conclusion.

Every breeder in the South most certainly should show at

the Appalachian Exposition, and breeders all over the country will find it to their advantage to be on hand with a good string of birds for good sales will certainly be made there.

Personally, I expect to attend this Exposition, and am looking forward to it with pleasure as I know there is no section of the country that can show the breeders a better time than this and give them their money's worth all along the line.

### THE FARMER AND HIS CHICKENS

"It seems strange," says a writer in *Useful Poultry Journal*, "that the average farmer, who will take good care of his cows, his horses, pigs and sheep, will let the poultry shift for themselves and not furnish them much to shift on, either. Usually their house is an old shed in too poor a condition to keep anything else in, with leaky roof, cracks in the side for ventilation, some old poles for perches, perhaps not cleaned out more than once a year, a good breeding place for lice but a poor place for poultry if you expect it to pay.

"Now change this plan and take care of your poultry as you do your other stock and see how quickly they respond to good treatment and become the best paying property on the farm. If you have no time yourself turn them over to your wife, daughter or boy. Furnish them a good, warm building where they can be kept clean; use judgment in feeding, give a variety of all kinds of grain, not too much corn, except at night in winter; have fresh water before them all the time (you will probably be surprised to see how much water they drink). Give them the scraps from the table, and green vegetables, chopped fine, occasionally. The small potatoes boiled makes an excellent feed for a change. Keep plenty of grit and oyster shells where they can reach it easily, and a little charcoal also. Try this plan for a while and keep account of all expenditures and receipts, and I am sure that your poultry will pay.

"Don't keep poor stock. It does not cost more to feed a well-bred flock of Leghorns, Wyandottes or Plymouth Rocks than it does to keep scrubs that weigh from four to five pounds each. Sell off the old stock for what they will bring and start in right with a few full-blooded birds that you will be proud to see about the farm. At this season you can buy first-class stock very reasonable, and now is the time to make your start. Remember that poultry does pay.

"Leghorns are good foragers, because they are light birds and get about quickly. They roam much farther afield than some of the heavier breeds. They are thus cheaper to keep on the farm than some of the breeds that show an inclination to hang about the barns and sheds and wait for feeding time. Besides, they are more useful from the standpoint of insect destroyers. This is a matter of considerable importance in some years when the grasshoppers are very numerous. The foragers get a better quality of food than the birds that depend upon getting grain feed, for the reason that the insects are very rich in nitrogen. For the general farm, it is doubtful if any breed excels the Leghorns so far as looking out for themselves is concerned."



# MILLIONAIRE MINER TURNS POULTRYMAN

FROM "THE TRADERMAN"

**W**HEN a millionaire coal operator decides to go into the chicken business, not on a small scale, but with plans well matured and well in hand, for a chicken farm that will be the largest in the state, the question that comes to the front is: "Why in the world is he getting into that?" says the Philadelphia North American.

George B. Markle, member of the independent coal mining firm of George B. Markle & Co., of Hazleton, is the millionaire who is going to try his hand at chicken raising, and his answer to the question, "Why," is brief and apparently conclusive. It is:

"I am going to raise chickens because a poultry farm as a purely business venture can be made to pay."

In so saying, Mr. Markle makes the final argument that justifies his mines, and outlines the inducement that is the basis of all investment.

The Hazleton millionaire newcomer into the poultry world will start out on his big venture backed by the happy fact that he likes chickens. For years his friends have commented upon that fact. Markle's kindly feeling for the poultry clan is shown by the way in which he handles the steering wheel of his big automobile. While the coal operator is whizzing along a country road the life of a dog or a goat might occasionally be imperiled, but that of a chicken never.

The Markle statement that poultry raising can be made to pay as a purely business venture is not made as a chance remark. The whole proposition has been carefully worked out.

For three years Mr. Markle maintained an experiment station in the Sugar Loaf Valley, eight miles from Hazleton, where he put into practice some theories of his own that had been evolved during several years of careful study. Markle got the poultry idea in his library and is planning his big farm along the ideas he has tried.

At the Markle experimental farm there were two breeds, White Wyandottes and Barred Plymouth Rocks. Between 500 and 600 birds constituted the flocks. Profits did not enter into the experiments at first to any overshadowing degree, although they were neither overlooked nor neglected. Results along new lines were being aimed at. The projected poultry farm is the evidence that the desired results were obtained.

Sentiment entered somewhat into the selection of the site for the big poultry venture. A farm was purchased near Espy, Columbia County, two miles from Bloomsburg. This particular tract was not selected because of the excellent shipping facilities that it affords, but because it was once the property of a Markle ancestor. It comprises 173 acres and will eventually afford quarters and runways for 175,000 chickens.

In point of construction the buildings will not differ materially from those planned for thousands of other modern poultry farms throughout the country. They will all be substantial, properly located and scientifically cared for as to sanitation. Glass will be eliminated entirely, and while "Biddy" will be assigned to healthful and commodious quarters she will always be under the observation of critical eyes.

No failures to make good will be tolerated. Health, vigor, activity and ability to participate in the development of ideal types will furnish the basis for the selection made by the stock propagators. No drones will be permitted to live at Espy. The chickens that survive will not be destined for the show room, but spared because of their general utility.

The farm will be stocked, first with White Wyandottes, White Orpingtons, Barred Plymouth Rocks, Rhode Island Reds, Leghorns and Minorcas. Egg production will not be the sole object of the breeding, but will simply figure as a part of a general plan.

Scientists have figured out that something like a total of 650 eggs measures the total possible production of a single hen, and the Espy policy will be to feed only the kinds that show a tendency to produce this total in the fewest years.

In the particulars of mating, Mr. Markle is working along some ideas of his own that are not exactly in accord with generally accepted practice; but with the spirit of a true scientist is keeping quiet upon the matter until he has his results well in hand. Pure strains, however, is one of his pet doctrines. Another essential upon which great stress is

laid is the methods of feeding, worked out at the experimental farm.

Incubation will be far less burdensome at Espy than it generally is in the farming districts. Electricity will be used exclusively, and incubators will be kept going the whole year round.

One of the significant features of the Markle enterprise is the fact that the projector has given to trade conditions in the poultry business the same attention he has to those that prevail in the coal industry. Statistics have been carefully compiled, showing the normal supply and the normal demand for eggs and poultry during the various months of the year, and the plan of Espy farm is to have its products ready just at the time they are most likely to bring the highest price. The aim of the local operator is to produce at the minimum cost and to market as large a portion of the output as possible at the maximum price. This, Markle says, is good poultry doctrine.

New York has exerted an influence over the project, as in order to meet the demands of that city the Espy eggs will all be white shelled.

The success of Mr. Markle's poultry farm will be watched with interest by hundreds of the largest farm owners throughout the country, and his statements, which may show some comparisons between the raising of poultry and the mining of coal, will be scanned with equal interest.

## HOW I TAKE CARE OF NEW HATCHES

On the morning of the twenty-second day, says a writer in "Spare Moments Magazine," the chicks are removed from the incubator and placed in a basket lined with cotton batting. Then a good warm flannel cloth is thrown over them so there will be no danger of chilling on their way to the brooder.

The temperature of the brooder should be about eighty-five degrees and soon will go up to ninety degrees when the chicks are under the hover. I leave them alone until afternoon with nothing to eat but the clean sand with which the floor of the brooder is covered. About four o'clock, as the chicks are now from thirty-six to forty-eight hours old, I give them their first feed of hard boiled eggs chopped very fine. I also place before them a small drinking fountain with luke warm water in it, and a dish of fine charcoal.

After they have eaten all they will, I see that they are all under the hover and that the temperature is correct. Just before going to bed I look at them again to see that all is right.

The second day if it is not too cold I open the door so the chicks can run out into a small inclosure. During the first few days they have to be looked after often to see that none get chilled.

I now keep the brooder floor covered with fine cut clover and give them a good commercial chick feed about every two hours gradually lengthening the time between feeds so they will be fed but three times a day. When they are a week old I keep a small hopper filled with a good dry mash mixture and fine beef scraps before them all the time. Green food such as chopped cabbage or beets is given daily. This with the grain keeps them growing at a good rate.

The heat in the brooder after the first week should be gradually reduced so by the end of four weeks no artificial heat is necessary.

## FEATHER EATING

The habit of pulling and eating feathers is common among fowls confined. No cure of this habit, once acquired, is reported, and it is best to kill the fowls for table use at first sight, as they quickly teach others the same fault. The cause is doubtless a need or appetite for something contained in the feather. A mixture of dried flesh and bone, specially prepared for poultry with a small quantity of sulphur, will act as a preventive. Bits of fresh lean meat, or corals of finely powdered fresh bones, will answer. Another remedy is to give them a sheep liver to pick, hanging it within reach. Also feed wheat scattered in the earth or litter of their houses. This will give them food and work.



## "UTILITY" PROPERLY DEFINED

WRITING in the *New England Poultry Journal*, O. F. Sampson, a practical utility poultry farmer, says the days of the "mongrels" or barnyard fowl are limited. "Cross breeds, from pure-bred stock will be bred for years to come; but indiscriminate breeding of fowls on haphazard methods, or no methods at all, is a thing of the past. Farmers in all parts of the country and small poultry keepers have found our markets today demand poultry and eggs of a uniform size and quality, and that it costs no more to keep pure breeds than mongrels, with a much better profit.

"The industry thus divides itself into two distinct classes—utility and fancy. As to the best class for the person starting in the poultry industry to enter, it all depends upon conditions and circumstances and the desired end in view. It is well, however, to consider here just what we can rightfully term utility poultry. For some reason this word has had various meanings as related to poultry keeping. One very unfavorable one is that in which 'utility' poultry has been classed as 'culls' from fancy stock. Birds that fanciers had cut from their pens because they could not win ribbons, or from some other defect were thus wrongfully termed utility stock, without any regard whatever to their laying or general qualities. The term 'utility' in its right sense today signifies a bird often the equal of any fancy stock and worth nearly as much money, instead of being nearly valueless or on a par with the barnyard fowl.

"Somehow I feel like offering a somewhat new definition to the term utility. To distinguish this class from the fancy I know of no better way than, to say in general the 'fancy' is distinguished from the outside of the bird, while the 'utility' is distinguished by the inside. In fact, a bird may belong by proper breeding to both classes and many of our leading breeders are solving this problem today more and more. In the past, too many of our fanciers gave attention to the show points and feathers, and too little to the general qualities of the bird.

"If you will refer to one of our late dictionaries you will find the word 'utility' defined thus—'a useful thing; to make useful; to be made profitable,' etc., etc. Thus it is readily seen that no bird unless useful and profitable can

rightfully be classed as a utility fowl. In a way, perhaps, the show bird could thus be classed, but the object of creating the utility class was to distinguish the specially useful bird that didn't enter the show from the show bird. Upon this basis we class the fine layer or table fowl, or the combination of both, because the hen that lays or pays the year around is the useful bird and a valuable one. The show bird is all right in show time and commands a good price, but 80 per cent of our people keeping poultry today demand layers and payers the year around. Of course, if she can win ribbons too, she is that much more valuable.

"To the person of limited means I know of no business today that will give more profit than the poultry industry for the money invested. Many persons think it is necessary to enter the fancy trade to get the profit, but in doing this one's expenses are increased many fold, and unless one has means enough to carry to the end, any plan thus started I am sure there is much more profit in the utility branch. In this, one can begin with a pen of good stock and grow in the business, learning as he advances. If success comes to him and he desires he may later go into the fancy—or increase the scale of his utility business. As a matter of fact we have few statistics to prove how successful or profitable the fancy business is in general; while the records of our utility and market poultrymen are pretty satisfactory for the past four or five years.

"No person can better handle utility for profit than the average farmer or small poultry keeper who can raise the main part of his grains. Poultry feeds are high, with little prospects of their being lowered to any great degree. The poultryman who can raise his own feeds thus may secure two profits—from his feeds and poultry—as our poultryman can raise nearly all his corn, oats, clover, etc., at a profit.

"One point is quite essential to be considered by the poultry breeder: nearness to a shipping point. While the profits from the utility flock is often gotten from general local sales, it often pays to secure special egg or poultry sales to private or special trade in some nearby city. This is becoming more easy each year; and besides good profits are made from eggs for hatching, or stock you can spare if your strain is bred from good pure-bred utility stock."

## SEASONABLE THOUGHTS AND SUGGESTIONS

WRITTEN FOR THE INDUSTRIOUS HEN BY J. A. THORNHILL, HARTSELLS, ALABAMA

YOUR hens may lay well for several days, after which a drop-off in the number of eggs may be noticed. This doesn't mean they are going to play "quits" for good. Continue your regular feed and care and they will get back to business soon.

Sudden changes of food, roosting quarters, etc., will retard egg production.

An ideal drinking fountain for little chicks may be made from a quart tin can such as tomatoes are put up in. Melt the rim off the end and cut or file a V-shaped nick in side of can one-half inch up from edge. Fill can with water and place a plate or tin top one inch deep over top and quickly invert.

You will find it a profitable plan, just before retiring, to see that the brooder is in proper condition for the night. If the chicks are quiet they are comfortable and need no more heat; but if there is a scramble or commotion among them, some are trying to get underneath others or in the center of the bunch, and a little more heat will quiet them. I believe that the lid of brooder should be raised a little at all times to supply fresh air unless it is very cold. Those who have gone to their brooders the first thing in the morning, and upon raising the lid, caught a whiff of the foul air, will agree with me.

Not more than fifty chicks should be put in a one-hundred brooder. This may seem somewhat expensive to some, but the fifty chick man and a one-hundred brooder will be more than apt to come out the gainer.

Some recommend warm water (blood heat) for chicks. I hardly think chicks will do well on it. Water from the well is the kind mine get.

I have had several letters from readers of this journal

asking what to do for diarrhoea in chicks. One of my plans, or treatments is to pound to a powder charcoal; put the powder into a cup, fill with water, allow to stand for a short while, strain through a fine sieve and give the chicks this water for drinking. It is a good plan to use the water whether your chicks are sick or not. It aids digestion and also maintains the health of the chicks by acting as a purifier of the general system.

In caring for chicks don't allow yourself to be ruled by everybody's advice. They are nothing but chickens, hence should not be treated as hothouse plants. Give them proper care, feed, exercise, warmth, etc., and they will be grown long before you look for it.

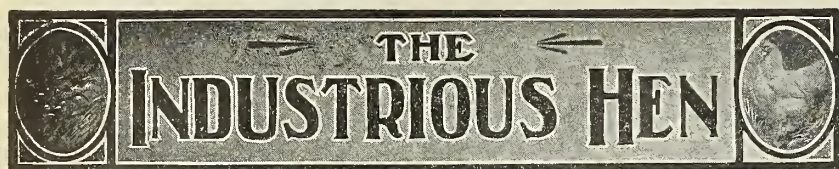
Think twice before you act once, and be on hand at a regular time to see about the chicks.

### TO MAKE HENS LAY

J. M. Jordan, an old Methodist minister of Fayetteville, Tenn., publishes this formula to promote egg production:

Ten pounds of bone meal, ten pounds of beef scraps, five pounds frunigreek (from drug store,) two pounds sulphur, ten pounds of charcoal, one pound cayenne pepper, one-half pound salt, mix well. Put one-half pint of this mixture for every 20 hens in a moist mash made of wheat bran, crushed corn, oats and wheat, and feed what they will eat three times a day. If you have pullets old enough to lay, take them off the range and confine them in warm dry houses and feed them this ration and you will certainly get eggs.





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## EDITORIAL PARAGRAPHS



## RAILROADS INTERESTED IN THE BIG EXPOSITION

Probably nothing has offered greater encouragement to the management of the Appalachian Exposition than the attendance at the Press Banquet on the night of April 9th. This pleasing event was a complete success in every sense of the term. Not only was the press of the entire group of Appalachian States most amply represented; but the various railroads of this territory, which are also vitally interested, had representatives on hand. Mr. M. V. Richards, of Washington, D. C., land and industrial agent of the Southern, was present and was heard in a most interesting talk. The heads of various departments of other railroads were present, and all expressed a deep interest in the success of the Great Exposition.

\* \* \* \*

## THE U. S. GOVERNMENT AND POULTRY CULTURE

Rob R. Slocum, poultryman for the U. S. Department of Agriculture, in company with H. C. Pierce of the government Food Research Laboratory, made a visit to this section recently in the interest of poultry investigations that are being conducted by the government. Both these gentlemen spoke most favorably of the South as a poultry section, and they are especially sanguine as to the possibilities and prospects for the business in Tennessee. Mr. Slocum says that many of the farmers in Upper East Tennessee where he has visited, derive practically all the clear money they make from the sale of poultry products, and that with a universal application of improved methods the profits to the farmers of this section from this source would be increased enormously.

It does seem that when the general government is generous enough to send experts into our midst for the purpose of diffusing a more general scientific knowledge of the breeding, raising, and marketing of poultry and poultry products, that our own State government ought to be, not only willing, but glad and anxious, to give to this great branch of farm industry an annual appropriation commensurate with its importance to our people; such as is given to other branches of industry for the purpose of carrying on scientific investigations and experimental work.

Who'll be the first to organize a plan in his county for the purpose of besieging the next law-making body of our State for an appropriation to aid in forwarding along this good work?

\* \* \* \*

## THE A. P. A. ELECTION

It will be but a very short time now until the result of the A. P. A. election will be announced. At this writing it appears practically certain that C. M. Bryant will be re-elected to the presidency of the association. It is equally certain that L. H. Baldwin and C. K. Graham will be returned as first and second vice-presidents respectively; and that Secretary Campbell will be re-elected admits of no doubt whatsoever. All of these are good men, and each fully merits the confidence reposed in him by the electors of the association. We believe that Secretary Campbell's vote will be unanimous; and he certainly deserves the honor, as no man has, at any time, shown a clearer insight into the needs of the organization, coupled with the necessary push, energy and ability to originate and carry out practical plans for its betterment.

As regards the members of the executive board, there is more or less doubt as to who will be the successful candidates, though Grant M. Curtis and H. V. Crawford will, no doubt, each land with a safe majority. Since Theo. Hewes' announcement that he will not stand for election, the choice for third member of the board, it would seem, lies between U. R. Fishel, of Indiana, and T. E. Quisenberry, of Missouri. Mr. Fishel is one of the most prominent breeders of the country and would, if elected, be able to render valuable assistance in promoting the interests of the A. P. A. Mr. Quisenberry, though a younger member, has hosts of friends who would like to see him elected. It was he who, almost single-handed, successfully fought the now famous \$10,000 appropriation through the Missouri legislature, thus gaining for the poultry industry of his State a biennial appropriation, the accumulated value of which to the future good of the breeders of the State, it would be hard to overestimate. Mr. Quisenberry is a very active and enthusiastic member, and if elected to the board, would, without doubt, exert a powerful influence for good. Either of these gentlemen will be satisfactory to the



South, and inasmuch as there was no avowed candidate from this section this year, we have the satisfaction of knowing that some one to our liking is going to be elected anyway.

\* \* \* \*

### DISHONEST ADVERTISERS

If THE INDUSTRIOUS HEN has a dishonest advertiser represented in her columns, she doesn't know it, and it is our candid belief that the buying public will get value received when dealing with any and all of the many advertisers that find their way into each issue. Occasionally a disreputable scoundrel who thinks more of dollars than of character, may fool us for a little while; but not long. We always "get wise" to such frauds, and then their ads disappear from our columns instantly.

Only a few months ago we accepted a year's contract from one John H. Alter, of Newville, Pa., a breeder (so claimed) of thoroughbred dogs. We soon became suspicious of this fellow and began to investigate, and the more we investigated the more positive became our convictions that he was a "dead beat." Finally, with our assistance and that of others, the U. S. Post Office Department arrested this chap for fraudulent use of the mails, and we hope he will land in the penitentiary before the matter is ended. That is the proper place for all dishonest advertisers.

THE INDUSTRIOUS HEN solicits the patronage of all reputable individuals and firms, and we are willing to do everything within our power to help create a demand for articles of genuine merit and to encourage in every way we can legitimate dealings between dealer and consumer. But we don't want the advertising of anybody who is not honest and who will not deal honestly with our readers; and we will not knowingly accept any such advertising. Moreover we will take pleasure in exposing any cases of fraudulent dealing with our readers that may be brought to our attention, backed by sufficient proof.

It is quite true that most of the poultry papers could not long exist without the support of their advertisers. But there are enough honest advertisers—and then some—conducting legitimate businesses in this territory to keep THE HEN scratching, without the few paltry dollars we might receive from some of the detestable humbugs that we have just been referring to. THE HEN will not become a party to such fraud by selling space to these jailbirds; not if we know it, and we are mighty apt to find it out pretty soon, too.

\* \* \* \*

### SUCCESS IN POULTRY

That is an old subject, isn't it? It sounds familiar and as if we had written on it before. Whether we have or not, we propose to offer a few suggestions still. A great many people seem to think that keeping poultry is like keeping a boarding house—just anybody can do it and especially when they can't find anything else to do.

Now that is a great mistake. It takes just as much talent and aptitude to keep poultry as to run a bank successfully. People are fitted for all sorts of business and your object should be to get into the one that fits you. It may be that you ought to be a lawyer instead of a keeper of poultry. We feel sure that as great a per cent of those who try succeed in the law as in poultry.

We don't mean that poultry keeping is really a very difficult business. The fact that it is not so hard to those who get at it right, may be the reason that so many fail. They don't think it necessary to study the business and make themselves thoroughly acquainted with all its details. When the first run of an incubator in the new man's hands turns out a hatch of only ten eggs out of one hundred and fifty, you may know he never studied the business. If you expect success in poultry you must study.

\* \* \* \*

### BE SQUARE

From time to time we see much said in the poultry papers of the tricks of the trade and dishonesty. It seems, in fact, that all business is just emerging from a period of shady methods. That there is a better day coming seems certain and in truth we may venture to say that it is already here. Business men have learned by sad experience that trickery and anything but straight-forward methods do not pay. No regular business man can succeed permanently without public confidence, and to have this he must be honest. After all the old adage—honesty is the best policy—is a true one.

### EARLY PREPARATIONS FOR THE GREAT SHOW

Flattering prospects are apparent on every side for the success of the Appalachian Exposition Poultry Show, October 5-12. The Exposition management have gone at the details of the great show in true business style. They seem to be satisfied with nothing but the best in all departments.

Judges for the poultry exhibits have been announced. They are J. H. Drevenstedt, of New York; W. Theo. Wittman, of Pennsylvania; F. J. Marshall, of Georgia; D. M. Owen, of Tennessee. These are four of the best known and most eminently qualified judges in this country, and their names are a guarantee of honesty and a "square deal" for every exhibitor.

During the poultry show a Poultry Institute will be held. The institute will be presided over by Judge S. T. Campbell, secretary-treasurer of the American Poultry Association. Some of the most noted poultry educators in the country have been invited and will give lectures and addresses on poultry topics that will be of much practical benefit to all who are fortunate enough to be present.

The Pigeon and Pet Stock Show, September 27 to October 1; and the Bench Show, September 21-24, are two other features of the great Exposition that will attract thousands of dog lovers and pigeon fanciers to Knoxville during the progress of these events. It is conservatively estimated that there will be three thousand pigeons of all varieties on exhibition. Judge George Ewald, the noted pigeon and pet stock judge, will place the awards.

The full list of premiums at the poultry show has not yet been announced, but that it will be especially attractive and well worth while is a certainty. Besides the regular cash prizes, numerous cups, specials, etc., the Exposition will offer one hundred dollars in gold for the best pen of birds in the show. This large cash sweepstakes prize is creating a great deal of interest, and it is sufficient to say that the pen that wins here need not fear competition elsewhere at the winter shows.

The magnificent Poultry Building, 140x170 feet, and containing 24,000 feet of floor space, was specially designed for the purpose. It is situated on the bank of Chilhowee Lake, and the arrangement as to light, ventilation, and sanitary equipment is simply ideal.

Nothing has been or will be overlooked that can add anything to the beauty and attractiveness of the show, or that will be of benefit and practical value to the thousands who will patronize it.

\* \* \* \*

### HOW MANY HENS?

Somebody is always asking how many hens can be kept on one acre of ground or how much space is required for each hen in the poultry house. It is not safe to give an exact answer to such questions for "circumstances alter cases" always. Some owner might keep 400 hens on an acre of ground and come out all right. Another might fail with 200 or even with 10.

It is the same way with space in the poultry house. We may assign a general average but no exact rule can be laid down which will apply to all alike. It seems to be a fallacy in the minds of many people that everything they do must be worked out with the exactness of a multiplication table. It is a mistake to think that anything but pure mathematics works out in that way.

Some folks get the idea that every hen and every cow must be fed exactly the same ration. This is all a mistake, for they have different appetites and different physical demands. It is all right to have an ideal average ration to serve as a guide but it must not be expected to work out individually.

With regard to space, your poultry need all they can get or all you can afford to give them. This is especially the case on the farm. The hens do better to range far and wide in gathering up their own proteids in the way of insects and worms. Fence in your garden and let the hens run. That is the old way, but it is the best one. Of course this means only one breed, and that also is best.

\* \* \* \*

Give the sitting hen a nest apart where she will not be disturbed. The nest should be of fresh material and the hen dusted with insect powder to make sure of no lice. Dust again twice or three times during the sitting period. See that other hens do not disturb by laying in the nest. Keep food, water, grit, and a dust bath near the nest so the hen may be accommodated without trouble. Look after your hen every day to see that nothing goes wrong and assist her in bringing off her chicks.



## POULTRY CULTURE--PAST AND PRESENT

THE veteran poultryman, I. K. Felch, writing in *The Standard*, gives some interesting reminiscences with regard to the wonderful development of the poultry industry in this country. He says that in 1848 the first poultry exhibition was held in America on the old Boston Public Garden, where they boasted of only a dozen varieties which could be considered full bloods. He continues: "What a contrast with today, and our 125 varieties of standard-breds. Yet, that crude beginning awoke an interest that has spread all over our land until we have the largest agricultural industry."

"I well remember when my first sale of a trio at \$18 seemed to create as much surprise as the \$7,500 sale of White Orpingtons by Mr. Kellerstrass. Then I was called the "Captain" in poultry culture; today I am reduced to the rank of Fourth Corporal as far as high priced poultry is concerned. The barnyard fowls have passed into oblivion; from the shelling of a few ears of corn for the barnyard birds have grown laboratories, in which scientific rations are compounded, and by which we are to perfect the living product called poultry and eggs."

"Let us see how they do it. In poultry meat we have 54 per cent of water,  $3\frac{1}{4}$  per cent of bone, 21 per cent of protein and 25 per cent of fat. This is in the finished product, and in the raw material from which we grow the above, we have a ration made of equal parts of corn, oats, barley and wheat bran. This contains  $2\frac{1}{2}$  per cent of bone,  $10\frac{1}{2}$  per cent of protein, 61 per cent of carbohydrates and fat. This is to constitute 60 per cent of the ration. We add 15 per cent of beef scraps and 25 per cent vegetables. Now if the vegetables are cabbages or mangel-wurzel beets, we compute the complete ration as  $2\frac{3}{4}$  per cent of bone or ash, 24 per cent of pretein and 65 per cent of carbohydrates and fat—a balanced food."

"Thus does science step in and control the feeding of our poultry which sixty years ago was a happy-go-lucky operation carried on with little or no thought as to results. In 1850 the calculated yearly product was placed at \$152,000,000. Today, when we consider all its resources and consumption, the annual value of the poultry industry is not one dollar less than one billion. Each year there is changing hands for exhibition and breeding stock more dollars worth of poultry now, than in 1850 comprised the interstate trade of the states. In 1844 I sold six mature fowls for \$2. What a contrast with the White Orpington sale I referred to."

"Within eighteen months after the importation of giant Langshans into this country, the average weight of poultry received at the Boston market was  $1\frac{1}{2}$  pounds heavier than previous to that event. Behold the result today. The influx of American breeds has crowded out the Asiatic varieties. Weight is sacrificed in order to breed to feather. Notwithstanding the fact that the increasing exhibitions take but 5 per cent of the best of the product, the universal desire for standard-breds with beautiful plumage has served to materially reduce the average weight of the meat product. But I believe the larger, or Asiatic, breeds are to receive their birthright."

"The poorer half of the pure-bred chickens now supply the wants of the kitchen, and as a result, the quality is far better. Prices are increasing both for exhibition and practical utility stock, and our calling is boosting the profits and productive wealth of the states. It is the farmer that pays national debts. He is the producer. It is the practical in poultry culture that lines the pockets of the farmers and fancy breeders."

"The grazing lands are being cut up into farms, the prejudice against beef and pork for rheumatic people and others has established an increased call for poultry. This is for our benefit. Our calling today is not crowded. The demands and prices paid are more than four times the  $12\frac{1}{2}$  cents per fowl paid in 1844—27 cents per pound is the price today for the same. So why hesitate to make poultry culture your calling? But any calling that has no pleasure in it soon wanes; were there nothing but the hard earned dollars that we dig out of our chickens and eggs, the fancy would soon die. The pleasure is experienced in rearing cocks and hens that win blue ribbons from our competitors, and prime chickens and table eggs that bring a premium on the market."

"The reputation of having produced a flock of poultry

which holds the world's record for egg production; the supreme triumph of having raised a pen of fowls which sell for the highest price in the history of poultry culture—these are the incentives that make fanciers, multiply our exhibitions, and make work in the poultry yards a pleasure, not a weary task. We have no tired feeling, we who are conscious of being live poultrymen. If you have specimens which score to 95 points, hold them at a price in keeping with such excellence. Fowls and chickens that score 92 points and over are first-class property. Selling such gives you a reputation. Sell the balance of your flock to the butcher for poultry meat, and protect your reputation and the flocks of your customers."

"At no time in the history of poultry raising was the business on a more profitable foundation than now. Although the price of grain is high, the prices paid for all classes of chickens are proportionately higher. Now, is the most favorable season for a beginner to start in either the standard-bred or market poultry business. Buy good eggs. Make a good start. Don't bother with common stock."

### SCALY LEGS

A correspondent at Cleveland, Tennessee, wants to know about a choice cock in his poultry yard. The bird's legs are inflamed and covered with enlarged scales. What is the matter and what should he do?

Your cock has the scaly leg disease, so-called. It is produced by mites that burrow under the leg and foot scales and set up inflammation. The disease is slowly contagious, so you will do well to put all affected birds to themselves and clean up the premises. Disinfect roosts with carbolated lime wash.

Stand the affected birds in a tub of warm, soapy water long enough to soften the scales. Take off and burn all the scales that can be removed. Thus clean up the entire feet and legs. Then rub them with carbolated vaseline. Rub this on daily till a cure is effected. In the absence of vaseline use an ointment made of one teaspoonful of coal oil to four teaspoonfuls of common lard and apply every three or four days or once a week.

### TO THE MEMBERS OF THE E. T. POULTRY ASS'N

It's coming! coming! coming! Look out for the great East Tennessee Farmers' Convention to be held May 17-19, at Science Hall, University of Tennessee, Knoxville. It's going to be a hummer.

For some time many of our members have been thinking, talking and wondering why poultry has not been accorded a place on the program of the East Tennessee Farmers' Convention, commensurate with the farm poultry interests of East Tennessee. Who ever heard of a farm without poultry? Then why have a convention without poultry being represented on the program?

At last it has come, we are glad to say, and through the efforts of Prof. Morgan of the University of Tennessee, a very attractive program has been arranged for two special meetings in the afternoon, and one open meeting at night, during and in connection with the East Tennessee Farmers' Convention.

If you are interested and do not possess a program, address a postal card to Prof. Morgan, University of Tennessee, asking him to send you a copy. He will be delighted; it's free. You cannot help being very much interested in the coming meeting when you have seen and read what good things are in store for all who are in anyway interested in more and better poultry for East Tennessee.

Let every member of the East Tennessee Poultry Association take note of this meeting; talk it everywhere, and then be on hand to take some part in this most interesting program.

By order of your Executive Committee.

J. H. HENDERSON, Chairman.

There will be thousands of baby chicks die this spring from lack of proper care and attention.



## POULTRY ON THE FARM



WRITTEN FOR THE INDUSTRIOUS HEN  
BY AN OLD FARMER

## FARM POULTRY

Few farmers give due credit to poultry on the farm. They have a mistaken idea of its importance. They would be surprised if you informed them that the eggs and poultry produced on the farms of this country are worth as much as the wheat crop, or the hay crop, or the cotton crop with seed included. And yet such is a fact on the authority of Secretary of Agriculture Wilson.

With the high prices that now prevail, don't you think it would be greatly to your interest to make a little stronger effort in the line of poultry and eggs? Nobody can produce them cheaper than you can. You can easily make all your feed on the farm and get a profit out of that as well as from the poultry.

You haven't time to fool with such small matters, you say. Well fix up some good cheap houses and put your oldest boy or girl at the work—preferably the girl. Have her to keep an account of everything. Value the plant to start with and then keep a record of all expenses. Then each month have her balance the account and see where she stands.

It may be your wife would like to enter such a partnership with you. You could give her a reasonable share of the profits or all of it if you furnish no capital. However, some capital will be needed and a mutual division of profits will add interest to the business. Think the matter over and make a proposition.

## WHAT GRANDMA SAYS

I have nothing to say against geese, but ten geese will eat as much grass as one cow. And which will make the most money? I vote for the cow, but I want some geese, too.

Somebody says an incubator won't break its eggs or go off and leave them like a hen. Maybe so; but I know of one incubator that lately hatched only four eggs out of one hundred and fifty. But it wasn't the incubator's fault.

Some chicken people are always introducing new blood into their flocks. Better take more care in keeping pure that which you already have. Do this by culling out all imperfect specimens.

There is a disease called the chicken fever. Where a man takes it he needs to be careful not to get light-headed and flighty. Keep the head cool and you will be more apt to get through it all right.

Keep fine charcoal around the coops and in the little chick runs. You have no idea how much the birds will consume and how it helps their digestion. There is little diarrhea where the chicks eat charcoal.

Very few farmers take care of poultry manure as they should. Every hen produces at least 50 cents worth a year. This manure will make 60 cents worth of vegetables and grass. Therefore the manure from 300 hens will add \$180 to their egg and poultry product of \$420 a year, making in all \$600 a year for a flock of 300 hens. Some families live on much less than that sum.

## INCUBATION ON THE FARM

Should the farmer use an incubator? That all depends upon how many eggs he wants to hatch and how thoroughly he is going to do the work. An ordinary number of eggs would better be left to the hen; and an incubator not properly managed is worse than none.

An incubator may be profitably used where you want to keep your hens laying, or when you desire to make a hatch out of season and have no broody hens, or when you want to sell small chicks or raise fryers and broilers in large numbers.

By consulting advertisements in THE INDUSTRIOUS HEN you will see that the cost of an incubator is small. So that need not stand in the way, if it is really needed. You should study up the subject and make your own choice. The principal difference is in the way of heating, one class using hot water and the other hot air.

Send to all the advertisers who impress you favorably and get their free catalogue and literature, if you think of buying

an incubator. Full information will be given about the character of the incubator and how to run it. Study this carefully before making your order. You should be fully posted before beginning the work. If possible visit some one who is running an incubator successfully and have him show you all the details of its successful manipulation. Then when your own incubator is received follow the printed instructions carefully in connection with all the information you have obtained.

## PROVIDING FEED

One of the main factors in successful poultry production is cheap and good feed. You must have feed in sufficient quantity to get best results and it must be obtained at a reasonable cost.

In the South grain feed is generally high in price but the Southern poultryman may save much expense for grain by growing an abundance of green feed even in winter. In the middle South blue grass is abundant and makes fine picking for the hens during most, or all, of the winter season. It is easy to provide this crop and no farmer should neglect it.

Rye or winter oats and wheat also affords good green feed in winter. Where the winter is mild, cabbage, kale and a number of other hardy growers afford excellent winter pasturage for poultry. Turnip greens also furnish a good winter feed, though many farmers labor under a mistaken notion that this feed interferes with the laying of eggs. This idea probably arose from the fact that the greens flourish during the moulting season when there are no eggs anyway.

In the hill country of the South there are also numerous little water mills where the poultry farmers may have grain ground or crushed at very small cost and thus procure an abundance of cheap poultry feed. All this feature of the business requires is a little wise management.

## THEN AND NOW

How foolish it is to think there are no chances to get on in the world at the present time like there were in grandfather's day! There are a hundred now to one of that time. Look around you and consider and you may be sure it is true.

Think of the chances in poultry now compared with those of the old days. There was no market then except in the one nearby town and very little there. The farmer did well to get 5 to 8 cents a dozen for his eggs and most people thought poultry too little a business for them to think about. There were no great poultry plants and poultry journals in that day. There were no famous breeds or poultry science. The man who would have set up to make his living out of poultry would have been set down for a lunatic.

What did grandfather know about poultry wire or poultry runs? To have proposed an incubator to him would have been flying in the face of nature and the acme of folly. In fact it would have been considered sinful. He never even dreamed of grit boxes and feed hoppers, the great labor savers of today, which make profit with great numbers so much more practicable. To him, your modern bone-cutter would have been unspeakable. And a trap nest—that would have been the last straw on his credulity.

## BOWEL TROUBLE AMONG CHICKS

When the chicks are attacked with bowel trouble, feed them small broken charcoal or rice boiled in milk until almost dry. Equal parts of ground ginger, clove, cinnamon and cayenne pepper—a teaspoonsful for each dozen chicks in the mash—is recommended when the trouble becomes pronounced. This may be given once each day for two or three days. It is not only a good corrective, but it serves as a tonic for the little birds which have been housed in damp quarters. Another excellent remedy is a teaspoonful of clove tea in each pint of food every other day until the trouble is corrected.



# INOCULATION NEW TO CHICKENDOM!

## "OCULUM"

Doubles egg yield. \$1.00 inoculates 400 fowls. Guaranteed.

HANCOCK INOCULATUM CO., Inc., Box A, SALEM, VIRGINIA

A scientific treatment. Cures and renders fowls immune forever to Cholera, White Diarrhoea and Roup. Deaths reduced 80 per cent. Successful as vaccination. Test free.

### HOW I CARE FOR BREEDING STOCK

Above all give them a good shelter, a house boarded up tight on the north, east and west, with plenty of ventilation without drafts. I prefer to leave the south open and screen the same with one-inch mesh chicken wire.

Place roosts on a level to keep the chickens from all trying to roost on the highest pole; put drop boards underneath to catch the droppings, and plenty of good, roomy nests underneath the drop boards.

Now provide some dry place where you can put four or five inches of clean straw or leaves for them to scratch in, and throw all grain into the litter. Keep grit, ground oyster shells and charcoal before them all the time.

Provide green food in some form for them all the time, winter and summer. Sow winter turf oats and rye in September and dwarf Essex rape in March and April. Turnips, beets, cabbage, lettuce, all are good for them. Sprouted oats make an ideal green food.

Provide meat in some form, such as beef scraps, or lean beef ground, about once a week. I prefer to feed wheat in the morning, heavy oats at noon and corn at night. (Feed the corn only in cold weather.) I feed a dry mash in hopper, or moisten it so it is crumbly and give them one feed of it every other day. The mash is composed as follows: 200 pounds wheat bran, 100 pounds corn meal, 100 pounds middlings or seconds, 100 pounds beef scraps, 100 pounds short cut alfalfa or meal, 100 pounds ground oats, boiled turnips, potato peelings and all the table scraps thickened with the mash is good for them. Do not feed green bone if you want fertility.

If your stock is strong and vigorous you will get fertility with this feeding. Of course you must provide fresh drinking water three times a day, and scald drinking vessels out once a week.

To force laying when you do not need fertility, feed as above, and feed green cut bone twice a week. A good grade of mixed scratch feed will do in the place of wheat, oats and corn, if you will add one sack of good, sound wheat to four of the mixed grain.—D. E. MACGOWAN, Cherry Red Poultry Yards, Memphis, Tenn.

### PERTINENT SUGGESTIONS

One part of cedar oil and two parts of vaseline is an excellent treatment for sore head.

When hens become too fat the result is apt to be egg bound, soft and irregular shaped eggs, dizziness, apoplexy, liver complaint and kindred diseases.

Diseases of the liver are caused by overfeeding of fat-producing food or by the use of too much spice or stimulating substances. This particular trouble is hypertrophy of the liver, which is an enlargement of that organ, and is often found in hens kept over the second winter. It is due to feeding too much fatty food, combined with a lack of exercise. In the early stages the disease may be arrested by feeding lightly on bran mashes and green food, and to each quart of drinking water adding one-half teaspoonful of muriate of ammonia.

Some egg farmers candle all eggs each day as they are received from the nests. Their reason for so doing is to throw out all such that show blood clots—that is, every now and then a hen in straining to lay her egg is apt to rupture a minute blood vessel and this clot of blood

sometimes shows itself inside the egg, and at other times we find the blood on the shell. When candling, this blood clot is easily seen if in the egg.

Some poulterers, in order to obtain the best prices for their broilers, hatch from October 1 to February 1, and have all the stock marketed by July 1.

The main reliance of the poultry breeder is the certainty that he will always have a fairly profitable market for his meat and eggs. This is the bedrock of the industry.

The late Morgan Bates once said that the class of poultrymen that are supplying the market with eggs and poultry, are the bulwark of the poultry industry of the nation.

### APOPLEXY IN CHICKENS

Apoplexy in poultry usually comes from over-feeding on starchy foods and can rarely be cured. If the bird is very valuable, proceed as follows: Open the large vein under the wing, and hold the bird's head under a cold water tap for a minute or two; if it shows signs of recovery feed it sparingly for a few days on soft, light food and give five grains of bromide of potassium each day.

### ABOUT INBREEDING

The merit of inbreeding all depends upon how it is done. Much care must be exercised in mating, even with pure breeds and a fine strain. Some birds are diseased or lacking vigor and should be discarded. Others have defects in form or color or laying qualities and these also should be kept out of the breeding pen. The progeny of no flock is without some defective specimens which need to be culled out. The so-called running out of poultry from inbreeding comes from lack of care in mating. Proper selection will build up a flock constantly, while promiscuous breeding will as surely run it down.

### EGG-BOUND HENS

It is not at all uncommon for hens, specially old and infirm ones, to become egg-bound. In the early stages of this trouble the remedy is to inject linseed oil into the passage and, by dilating it with the fingers, remove the collected matter. The ailment is generally due to overfeeding of stimulating food.

### CURE FOR PIP

Pip is a common ailment in chickens. This is an inflammation of the tongue and month, indicated by the growth of a horny scale on the point of the tongue, which prevents the fowls from feeding. Give each fowl a pinch of powdered chlorate of potash, dropping it into the throat and on the tongue. Then remove the scale with the point of a knife.

### BODY LICE ON FOWLS

To keep the large body lice off of fowls melt one pound of lard in an iron kettle and add one-fourth pound of powdered sulphur and a little of a strong decoction of tobacco, stirring the same until cool to prevent settling of the sulphur. This ointment rubbed under the wings once or twice will rid the birds of the large lice as fast as they hatch.

### IT IS "NEVER TOO LATE TO MEND"



Are you satisfied with present results? Can you hatch 90% of all eggs used? Remember your best and early layers are now laying weaker eggs. You lose if you use them for hatching. Have you not, already, lost two dollars both in eggs and chicks many times over? 17,000 in use. The best layers are hatched from eggs testing "x" and "xx." The 1910 International Silver Trophy was won by fowls hatched from eggs selected by the Magic Egg Tester. 60 day trial allowed and money returned if not satisfied. By mail, complete, \$2.00. Rush orders sent on first mail.

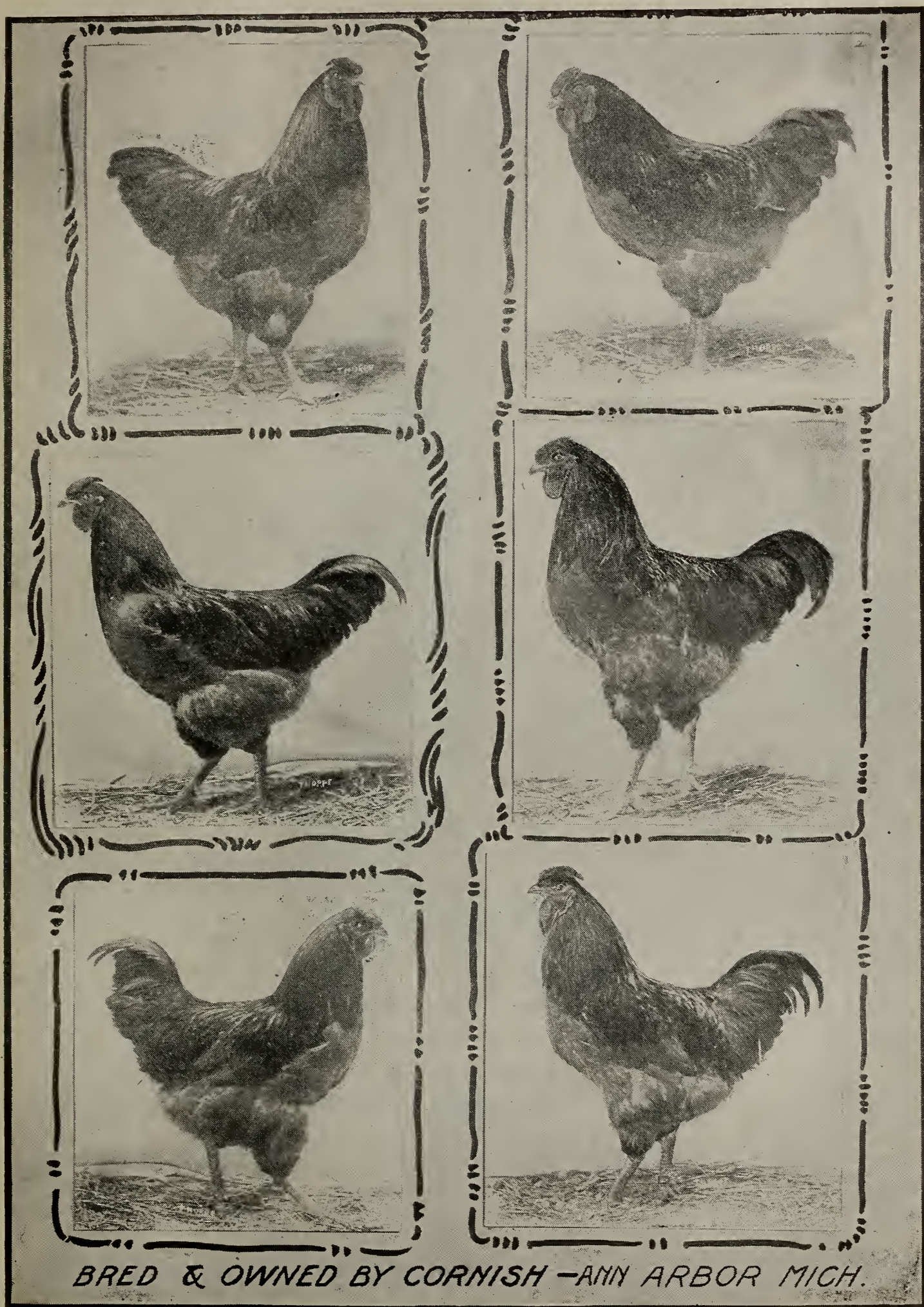
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MAGIC EGG TESTER WORKS, Department G

Buffalo, N. Y.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN





Conqueror  
Chicago King II  
Prince Imperial

Conqueror II  
Prince Niger  
Young Chieftain

Type of Rhode Island Red males used by Mr. Cornish in 1910 breeding pens.



## TURKEY TALK

Address all Inquiries to  
MRS. J. C. SHOFNER, MULBERRY, TENN.

### Caring for Young Turkeys

(The article below was written by Mrs. Shofner and published in THE INDUSTRIOUS HEN in 1907. As it contains so many valuable suggestions that are appropriate at this season of the year, we have been requested by several of our readers to reproduce the article this month.)

After they have hatched I gently slip all but one or two poults from under hen, put them in a basket with some soft flannel, to keep them warm. For 24 hours I do not feed anything, as nature has provided food for that length of time with the yolk of the egg they are hatched from. I do not use the "grain of black pepper" some of our writers speak of, because common sense has taught me that there is nothing in its tender little make-up to grind that grain of pepper, hard even for us to crack with our teeth, and I compare it with a new-born babe eating corn bread crust, without any teeth to masticate it before entering the stomach. I use some kind of grit, either chick crystal grit, or fine sand washed up in most any running stream, they will pick out first the size they want out of a pile, poured out on earth in a triangular pen made of three planks two feet high. Put in some well drained place where there is some shade around, a little bush of any kind is sufficient, for they can't stand hot sunshine. I do not confine the mother turkey in pen with them for she will not leave them long at a time, and if not disturbed will care for them when they need it, such as hovering them when they chirp cold. When young

## DAVIS FOUNTS LIFE SAVERS

For young chicks. Keeps constant supply of clean, fresh water. Easily cleaned and filled. Best chick server made for either water or grit, grain, oysters, shells, etc. Holds any size or shape ordinary glass bottle or can. Price 25c each; \$2.70 a dozen; postage 15c extra. Brooder size holds pint Mason fruit jar, 20c each; \$2.25 a doz.; postage 10c each extra. No bottles or cans included. Catalogue FREE.

THE KEYES-DAVIS CO., Ltd., Mfrs.  
Dept. 520 Battle Creek, Mich.

Poultry  
Yard  
Size

Brooder  
Size

poults are confined as described above, it is to let them get used to the mother turkey's call, as they are just as liable to follow one object as another, until mother talk is recognized. I feed about four or five times a day—for first two or three days on hard boiled egg, onion tops chopped fine, and pepper grass is excellent for green stuff. They will not eat too much green stuff, at a time, but I never want them to have any food left to lie on sand bank, to sour for them to mince on, just enough to clean up, all that I give them. Stale bread of any kind soaked in skimmed sweet milk, and squeezed out pretty dry with a little black pepper sprinkled over it is all right for a change meal on second or third day between egg ration. I would rather find them hungry every time; as long as they are hungry their digestion is in good condition, and will grow. I change diet from the egg to more corn bread made up light with soda and buttermilk with several eggs in it, to last a whole day; this should be allowed to get cold, so it will crumble fine after being squeezed out of the sweet milk, giving a little sprinkle of charcoal and black pepper every time, increasing the feed each time as I think they need it.

After the first week I begin feeding clabber milk set on stove and heated. This makes a cheese, when whey is dripped out, that crumbles fine, and I feed it interchangeably with bread and milk ration. Never give anything sloppy or sour—this will cause bowel trouble, that is hard to correct. After first week or ten days is passed I feel pretty safe in feeding dry chopped wheat added to our bread and cheese ration. By this time the little turks are trying to fly over plank pen that has been moved several times to a clean spot, as turkeys must have clean, dry quarters. When they are able to fly over this pen they are strong enough to follow mother turkey for a ramble for insects, after the dew dries off in the morning. If she does not return by four o'clock in the afternoon, she must be found and brought in and cooped in a coop made at least three feet high in front and about the same in width, with screen wire door to let

## BARGAINS

In eggs for hatching for May and June to produce great layers, \$1.50 sitting; (2) sittings \$2.

Eggs from exhibition matings for May and June \$2 sitting or (2) sittings for \$3.

I have pullets hatched March, 1909 which began laying July, 1909. Order to-day.

J. H. HENDERSON, Knoxville, Tenn.

Breeder of Browns since 1890

in fresh air, and yet keep out all kinds of varmints. I want coop sloped back enough to run off all water and keep their roost place above a drain. I move this roost coop to a new place every night. They must be cooped every night until large enough to roost in small trees.

For a water tank while small, I use a shallow pan with gravel in it, so the water comes up between, and they can not get their feathers wet. My greatest trouble has been lice, and I believe more turkeys die from lice than all diseases. I was a breeder of turkeys for years before I knew that there were two kinds of lice on them while young. The large gray louse is usually found on head and neck and can be easily seen, but the most troublesome lice are the small white wing lice found in between wing quills, next to flesh, and are numerous by the time they are a week or ten days old—if not attended to before this. I usually dust hen and nest when I set her, then a few days before they hatch I dust again with some reliable insect powder; then dust hen and poults every ten days or two weeks, until two or three months old. Now give free range, and a nice supper every night, and your turkeys are more trouble—only to watch a threatening cloud and bring them in.

I have followed this manner for years with a few changes occasionally and have been as successful as any breeder in the United States raising my own prize winners, and many others who win in large shows everywhere from the lakes to the gulf, and from ocean to ocean, in the hands of my customers. I breed the most popular breed, the Mammoth Bronze, of the giant Jumbo strain. My next breed in choice would be the White Holland.

MRS. SHOFNER.

### Inquiry From a 3 Year-Old Hen

PIQUA, O., April 5, 1910.

J. H. HENDERSON, Knoxville, Tenn.  
Dear Sir:—Looking in a 1907 INDUSTRIOUS HEN, I saw your ad. If you are still a breeder, you will oblige me by sending your mating list.

Yours truly, STANLEY LEONARD.

The above postal card was received by Mr. J. H. Henderson, the S. C. Brown Leghorn breeder of this city. For the benefit of any other 1907 subscribers of THE HEN, who may have inadvertently allowed their subscriptions to expire, we will state that Mr. Henderson is still at the "same old stand," breeding S. C. Browns that are not surpassed anywhere, and he will be pleased to hear from any and all customers desiring eggs for hatching. He is making a special offer for May and June delivery. Look up his ad in this issue and write him. We guarantee you will not be disappointed.

## Chamberlain's Perfect Chick Feed

TRADE MARK



The Only Original Dry  
Baby Chick Feed

For Sale by:

Otto Schwill & Co., Memphis, Tenn.  
Louis Levy Gro. Co., Baton Rouge, La.  
J. Steckler Seed Co., New Orleans, La.  
J. H. Stevens & Son, Columbus, Miss.

The Food to raise  
Prize Winners W. F. Chamberlain Feed Co. St. Louis

### BRED-TO-LAY

## WHITE PLYMOUTH ROCKS

Result of four years' breeding for eggs. Eggs from best mating, \$2 per 15; others, \$1 per 15; \$5 per hundred. Let me describe this stock.

ROSCOE CATCHING, London, Ky.

## MAMMOTH BRONZE TURKEYS BARRED PLYMOUTH ROCKS MAMMOTH PEKIN DUCKS

Eggs and stock for sale in season. Two yards of second to none Mammoth Bronze Turkeys. One headed by "Daniel Boone, 2nd", a 35 lb. cockerel, very rangy, his body brilliant with the much admired red bronze and tips of snowy white. Mated to him are 5 hens and 3 pullets of extra size and beautiful plumage. "Prince" whose model form and satiny luster would delight any judge heads the other yard and with him are 5 pullets and 3 hens of large bone and handsome plumage. Prize-winning strains of Barred Plymouth Rock chickens and White Pekin Ducks.

Mrs. W. J. LANDESS, R. 5, Fayetteville, Tenn.



## S. C. White Minorcas Eggs \$1.50 per 15

My birds won at Knoxville, 2  
ckl; 1, 2, 3, 4 hen; 1 pen.

Write Your Wants to

W. B. IRWIN  
MARYVILLE, TENNESSEE

## 18 Years Breeder Of Thoroughbred Poultry

15 B. P. Rock Eggs ..... \$2.00  
15 R. C. Black Minorca Eggs ..... 2.00  
15 S. C. ..... 2.00  
15 Blue Andalusian Eggs ..... 2.00  
30 eggs for \$3.50.

GEO. A. PHILLIPS, Easton, Talbot County, Md



## For Sale----Mammoth Bronze Turkey Eggs

The best is not too good for you; then while you are getting eggs, buy of largest and finest stock. I have two pens this season, 1910. No. 1 consists of ten large hens and pullets scoring 95 to 97 points, mated to "Billie Taft" a 36 lb. cockerel, score 97 points. No. 2 is headed by "Monster", a 50 lb. tom, 19 months old, with

eight large hens and pullets, scoring 94 to 97 points. 1st prize hen and pullet at Alabama State Fair, 1909, in this pen. Eggs from Pen No. 1 at \$6.00 per 9, and from Pen No. 2 at \$10.00 per dozen. Barred Plymouth Rock chicken eggs from best prize winning blood \$2.00 per 15. Address

BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.

## CALLAHAN'S CHAMPION RHODE ISLAND REDS RED FLAME STRAIN

"None better in the whole South."  
Prize-Winners everywhere shown.  
We breed for Shape, that rich red surface and under-color. Eggs and stock for sale. Send 2c for catalogue.  
CALLAHAN & SON, EAST POINT, GA.



## HONEY BEE

T. C. KARNES

## Bee Notes

Written for The Industrious Hen:

The easiest way to get a start in bee-keeping is to take a standard hive to a good neighborly beekeeper and have him put a swarm into it for you. The cost will not be great and the trouble of transferring obviated.

If convenient get Italian bees and no other kind. They are of a gentle disposition. Yet the old black bees are about as good honey gatherers and do very well. At the Pan-American Exposition they came out ahead in storing honey.

Honey is the most perfect sweet and the most healthful. It is not only a good food but also a good medicine. Old-time people on the farm found honey especially good for a cough and other minor complaints among the children.

The price of honey in pound-section frames in our local market ranges from 20 to 25 cents. This ought to pay any farmer handsomely. Poultry and bees go well together. Eggs and honey can be carried to market at the same time and sold to the same customers.

Bees and fruit also harmonize admirably. The fruit-blooms furnish the bees with an abundance of delicious nectar and bees in turn fructify the fruit by carrying pollen from one bloom to another.

## Caring for Swarms

The swarming season is now considerably advanced in the far South and is rapidly approaching further north. Early swarms are the best and should be well cared for. They have a longer time to gather stores for carrying them safely through the coming winter. The old saying was that a swarm in May was worth a load of hay and a swarm in June was worth a silver spoon, but a swarm in July was not worth a fly. Some swarms may come out later and do well but it is an exception to the rule.

It is very important to always have hives ready for the new swarms. It is too late to get them after the bees come out. You should be ready to have them at once else they may take to the woods and seek refuge in a hollow tree. It is not a bad plan to have empty hives sitting in position in the bee-yard. They sometimes catch swarms without further trouble.

However, there need be no great bother about getting the swarm into the new home if it settles within easy reach. Spray a little pure water over the cluster and place an open hive on a table just beneath it. Saw or cut off the limb to which the swarm is attached and lower it onto the frames in the open hive. Gently shake or brush all the bees in and put on the hive cover. If any remain they may be shaken in front of the hive and all stray bees will also find their way in by the front entrance. When you get practically all the bees to enter the hive, remove it at once to its permanent place in the bee-yard before the bees begin to work out and fix their location. If you don't move them till nightfall, they may return to the hiving place next morning and become lost.

# Amatite

## ROOFING

### Will End Your Roofing Troubles



If you will write to-day for a free sample of "Amatite" the end of your roofing troubles is in sight. After you have submitted it to every test that you can think of, you will be prepared to order it not only for your new buildings, but for your old roofs as well. You will find that it is cheaper to cover them with Amatite than to continue painting and repairing them.

We make a strong point of our "Free Sample" offer because the smallest sample of Amatite speaks for itself. It is more convincing than yards of talk.

There are all kinds of ready roofings on the market—so-called "rubber roofings," so-called "guarantee roofings," so-called "sand surface roofings."

The "rubber" roofings are no more made of rubber than a cow is made of saw-dust. The "guarantees" that are promiscuously handed out with many brands are

hedged around with so many provisos that it will take three lawyers to dissect them and find out what they are all about. The "sand surface" has little or no protective value.

The point to remember is that all of these roofings have to be painted every year or two to keep them tight. In other words, it is the paint that protects, and not the roofing. If a man will sit down and figure out exactly what this paint costs, he will find that it is more than the roofing itself. Amatite, on the other hand, has a surface of real mineral matter and we sell the goods on the broad statement that you need never coat or paint this roofing.

You can lay Amatite on a roof and then forget all about your roofing troubles. No painting, no coating, no worry. The man who puts Amatite on his buildings is insured against leaks and trouble for many years.

### Free Sample

If you have any doubts about the matter and want to investigate our claims, send for sample and booklet to-day. The sample tells its own story; the booklet is written for practical men. It hits straight from the shoulder.

Address our nearest office.

### BARRETT MANUFACTURING COMPANY

New York Chicago Boston Philadelphia St. Louis Cleveland Cincinnati  
Minneapolis Allegheny Pittsburg Kansas City London, Eng.

## Choice Poultry Yards

**S. C. White and Brown Leghorns, White Wyandottes, Rose and S. C. Rhode Island Reds, Buff Plymouth Rocks, S. C. Buff Orpingtons and Silver Spangled Hamburgs win wherever exhibited.**

Were awarded six 1st prizes, seven 2nds, five 3rds and one 4th prize at Knoxville, Tenn., 1910, Show, and were awarded The Industrious Hen \$25 Silver Loving Cup for the highest scoring pen in the show, all classes competing; also the Association's \$20 Silver Cup for the highest scoring pen of White Leghorns, and many other specials and club ribbons. Our birds won in every class at Asheville, N. C., 1908 and 1909, Shows. Our breeding yards are composed of PRIZE WINNERS only. Some stock for sale. Eggs, either kind, \$1.50 for 15. Satisfaction guaranteed or money refunded. Reference, Bank of Waynesville.

**J. P. SWIFT & SON,**

**WAYNESVILLE, N. C.**

### WHITE WYANDOTTES

STRONG—VIGOROUS—HEALTHY—FARM RAISED  
Some very choice stock for sale. Eggs for hatching. Very heavy layers.  
**WOODMERE FARM FOUNT H. RION BRENTWOOD, TENN**





## Vermin Worse than "Varmints"

If a skunk or a mink got after your chickens you'd be after him in a minute with a club or a shot-gun. You can't kill chicken lice that way, and yet they are worse than skunks or weasels. There are thousands of lice to every varmint. There may be a thousand on your every hen. They prey on *all your chickens all the time*. Day and night they worry them and steal away your profits. Your fowls *must* have help—go after the lice in earnest with

## Lee's Lice Killer

It is an absolutely dead shot on lice, yet harmless to fowls. There is not a failure in a thousand trials. Here is the great difference between *Lee's* and *all other* lice killers—

*Lee's Lice Killer* is distilled specially for lice killing, not a by-product. It kills lice by its fumes. Not necessary for liquid to come in contact with vermin.

Get the genuine—don't be caught with substitutes that "smell like Lee's" or "look like Lee's," but which are *never* as good as Lee's. Look for the name "Lee" on the can. Convenient sizes—quarts, half-gallons, gallons, at 35c., 60c., \$1.00. For sale in almost every town in the U. S. If your dealer don't happen to have it send us \$1.25 for a gallon *express prepaid*. Write for free books, "Lee's Chicken Talk" (by Geo. H. Lee himself), or Mandy's Poultry School.

**GEO. H. LEE CO.,**  
1113 Harney Street, Omaha, Neb.



## BRED FOR LAYING.

25 Best breeds poultry. See my big circular illustrated in colors. Before you place that order for stock or eggs. Prices reasonable. It will please you. It's free. 2c. stamp for mailing. **John E. Heatwole, Harrisonburg, Va.**

## S. C. Black Minorcas

Stock for Sale. Circular Free.

**Fred E. Carter, Knoxville, Tenn.**

State Vice-Pres. A. B. Minorca Club

## PRIZE WINNERS

White Plymouth Rocks. My birds have taken premiums at all Southern Shows. \$1.50 per setting of 15 eggs.

**G. W. BUNCH, Floral Hill, Ga.**

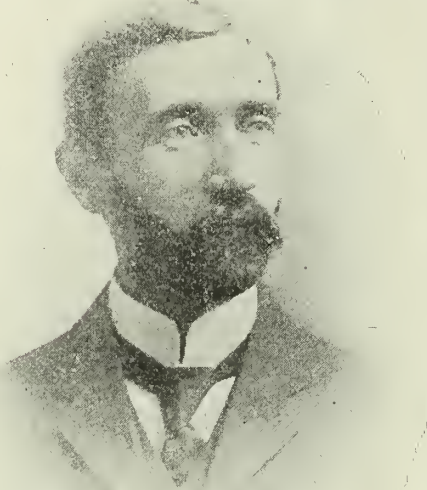
## EVANS' SINGLE COMB WHITE LEGHORN

Eggs \$2.00 for 15.

**L. G. EVANS**  
**LITHONIA, GEORGIA**

## Model Incubator Company Under New Ownership

Mr. Robert H. Essex has been made president of the Model Incubator Co., of Buffalo, N. Y., which Company has heretofore been managed by Chas. A. Cyphers. This announcement comes as somewhat of a surprise, as Mr. Essex has been so closely connected with the Cyphers Incubator Co., for the past five years, having occupied the positions of secretary, financial manager, chief of advertising, and assistant general manager of that Company. Mr. Essex has had quite a varied career in the poultry world. He was at one time managing editor of the Reliable Poultry Journal, and is author of several well known



Robt. H. Essex, Pres. Model Incubator Co.

books on poultry subjects that are recognized as standard literature today, among them being "Poultry Houses and Fixtures," "Turkeys,—Their Care and Management," "Eggs and Egg Farming," etc., etc.

Having, on the 24th of February, resigned the responsible position which he held with the Cyphers Incubator Co., he now becomes president and principal owner of the Model Incubator Co. It is needless to say that his past experience has eminently fitted him to successfully take care of, not only the affairs of his own company, but the needs of his customers as well.

Volume 1, Number 1, of *The Silver Wyandotte Journal* is quite an attractive twelve-page publication issued by the Silver Wyandotte Club of America. The office of publication is at Wooster, Ohio, and Waldo H. Dunn is editor, with Mrs. Waldo H. Dunn as assistant editor. The paper will be issued twice a year, March and September, at 25 cents a year.

## CAPON TOOLS



**CAPONS** bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

**PILLING CAPONIZING SETS.**

Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c. Gape Worm Extractor 25c. French Killing Knife 50c. Capon Book Free. **G. P. Pilling & Son Philadelphia, Pa.**

## White Diarrhea

kills its thousands and tens of thousands every year. No flock is absolutely immune. The way to overcome it is by thorough disinfection, cleanliness, proper feed and the use of the right remedy.

## Conkey's

White Diarrhea Remedy should be used to treat the sick, and especially as a preventive among the others. It is given in the drinking water—no bother—no work. It is guaranteed to satisfy **you** or money will be cheerfully refunded.

Price, 50 cents postpaid.

**The G. E. Conkey Co.**

(26) Manufacturing Chemists  
Dept. 17 Cleveland, Ohio, U. S. A.

## Tennessee State Fair

Some very great changes have been made with reference to agricultural exhibits at the Tennessee State Fair, September 19-24, 1910. Though somewhat radical, it is believed these changes will be for the betterment of individual exhibitors. Special premium lists have been prepared for the boys and girls on the farm, and the prizes offered in this department are quite large. Advance premium lists giving complete information are now ready for distribution and any of our readers that are interested may obtain these free by addressing J. W. Russwurm, Secy., Nashville, Tenn.

Mr. M. C. Richardson, Jr., Front Royal, Va., has been appointed State vice-president for Virginia of the National Rose Comb Rhode Island Red Club, and he is especially anxious to secure every Rose Comb Red breeder in his State as a member of the Club. The membership fee is only \$1.00, and it will be necessary to become a member before the club specials can be competed for at the shows. All communications will receive Mr. Richardson's prompt attention.

## Southern Fairs and Exposition Dates

Louisville, Ky., Sept. 12 to 17.  
Nashville, Tenn., Sept. 19 to 24.  
Memphis, Tenn., Sept. 27 to Oct. 4.  
Birmingham, Ala., Oct. 6 to 15.  
Appalachian Exposition, Knoxville, Tenn., Sept. 12 to Oct. 12.  
Appalachian Live Stock Show, Knoxville, Tenn., Sept. 12 to 17.  
Appalachian Bench Show, Knoxville, Tenn., Sept. 20 to 24.  
Appalachian Pigeon and Pet Stock Show Knoxville, Tenn., Sept. 27 to Oct. 1.  
Appalachian Poultry Show, Knoxville, Tenn., Oct. 5 to 12.



# BIG REVIVAL IN POULTRY BUSINESS

A BIG REVIVAL in the poultry business is at hand; everybody knows it—everybody in the business *should reap the benefits*. The way to do this is to start right—and then *go right*.

STARTING RIGHT doesn't mean buying cheap and worthless tools with which to work. To do that is to invite defeat. Do not be half-hearted! Half-hearted is another name for *half-licked*.



NOTHING SUCCEEDS LIKE SUCCESS. It is right and *Sensible* to imitate the successful, to follow their lead—and it pays! If you do this in the poultry business you will HATCH YOUR CHICKENS IN CYPHERS INCUBATORS, BROOD THEM IN CYPHERS BROODERS AND RAISE THEM ON CYPHERS CHICK FOOD.

That is the Royal Road to success in raising poultry for profit *by artificial means*. It is open to you, reader, broad and straight.

Did you ever know of a big poultry plant using \$5.00 or \$7.50 or \$10.00 tin-tank, cracker-box incubators, and succeeding in the business?

You never did.

Have you ever read the report of a foremost poultry fancier *publicly endorsing* one of these here-today and gone-tomorrow cheap "fake" machines?

You never have.

Then why should you make the mistake, *the serious and costly mistake*, of buying a big-promise, little-do cheap affair that is an incubator in name only! *To do this is to defeat the main object of your entire poultry investment*. And the only excuse for such a mistake is the faint hope of saving a few dollars at the start.

OUR WORD FOR IT, every dollar you save in this way will be offset very soon by the loss of ten or a hundred dollars. Thousands have found this to be true! Many letters are received by us every year to that effect. We are asking you to avoid this common pitfall. If you own a cheap, unsatisfactory incubator, or a brooder that is proving a death-trap for chicks, *it is not too late* to buy a Cyphers Incubator or Brooder *for profitable use this season*. We guarantee to fill your order from our nearest branch house within forty-eight hours.

**Time To Start Right**

**—And To Go Right**

The poultry business is now *increasing rapidly* in all branches. Those of us who ought to know are certain that the next five to ten years will be *the most prosperous* in the history of the poultry industry. There might have been a financial reason one or two years ago for you to "try your luck" with a cheap incubator or a make-shift brooder, but now if you are going to take up poultry raising at all, or are going to extend your operations, you ought to *give yourself a fair chance* of success by buying and using *the best equipment to be had*.

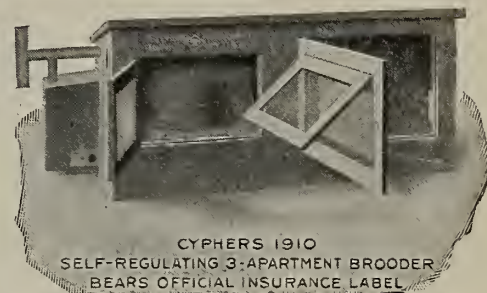
BEGIN RIGHT if you are going to raise chickens *by artificial means*, or do not start at all! This is frank and honest advice *from men who know*—from a company that during the last ten years has manufactured and sold more incubators, brooders and poultry supplies to poultry raisers **THAN THE NEXT FIVE LARGEST**

MANUFACTURERS AND DEALERS COMBINED. It is honest advice from a company whose incubators today are in successful use on *more government experiment stations*, on more *big practical chicken and duck plants* and that are used and *publicly endorsed by more foremost American poultrymen* than all other makes combined.

THESE BIG FACTS mean something. They should mean something to you! THERE IS A REASON for this company's *unequalled success*, for the *world-wide trade* it enjoys, for the many *satisfied customers* it has in every civilized country on the globe. Cyphers Company customers know what that reason is! They found out and now are *profiting by it*. You, Reader, *can equal their success* if you have *the right tools to work with*.

**Send For Our 160-Page Free Catalogue For 1910**

DO NOT ACCEPT OUR UNSUPPORTED WORD for the highly important claims we make—important to you! But we do ask you to be guided by the personal testimony of America's *best known and most successful poultrymen*. Our 160-page 1910 catalogue tells the whole story, tells it straight from the shoulder—tells the truth. The men here briefly quoted stand



high in the poultry world *for their integrity*. They are well known—successful! See our big Annual Catalogue and Poultryman's Guide for their full reports—and many others. Contains five instructive chapters on successful incubating, brooding, feeding, heavy egg-yields etc. IT IS FREE—and we pay the postage. Address our branch house nearest to you.

**Cyphers Incubator Co.**

Buffalo, N. Y. New York City, Chicago, Ill.  
Boston, Mass. Kansas City, Mo. Oakland, Cal.

## Our First Chickens

Written for The Industrious Hen:

I see so many articles in journals from poultry people telling of their first experience in poultry raising, I am going to tell you ours.

We had just gone to house-keeping and I had always been used to seeing chickens about the place, so I said it would seem more like home if we could have some chickens. Just about that time my mother-in-law moved from the country, bringing quite a collection of poultry. I bought some hens from her and a "Bantie" rooster.

I soon had them so gentle they would eat out of my hands and try to pick the buttons off my dress. That was in the early spring. One day a man came along with a wagon load of hens. He said, "Miss, wanter buy some chickens?" I went to the wagon and bought all he

had. Now let me tell you of my "feathered banquet," for they were of all ages and colors. We got them safely housed after much squawking and scratching. Then the fight began. I thought surely they would kill one another before my husband saw my collection. But soon they settled down and decided who was "Queen of the Harem." My little "Bantie" was "lord of all."

Well, about those colors. We had the old-time Dominiques, White Leghorns, Buff Leghorns, mixed "Browns"—a species of the Houdans. I think she must have been the great-grand-mother of the Houdan breeds, for if she ever laid an egg, I didn't find it, and few of them escaped me. The "straw neck" and "old blue hens" were there of course. My mixed Brown was about the fastest runner I ever saw. Talk about your Dan Patch and automobile races! Why, all of the dust would have settled

before they got in sight of her. She was one I never tamed.

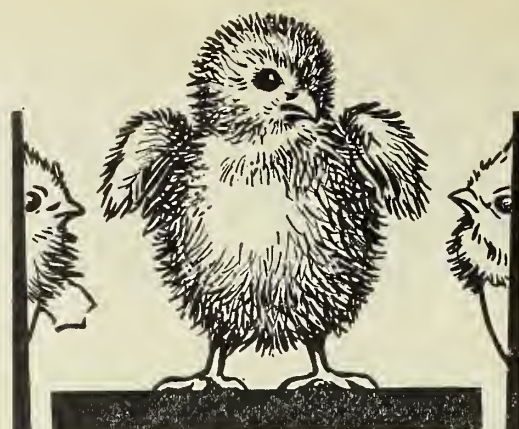
Just about that time we had the "chicken fever" bad. So we decided to pay a visit to a poultry yard near by. We bought a Brown Leghorn rooster that afternoon. Soon there was an old hen that got pretty lazy, I thought. She would stay on the nest nearly all day. I went to collect the eggs and she was still on the nest and such a "squawk and peck." I said, all right, old lady, you just want to set; I'll fix you. I saved up a setting of eggs and fixed the old lady comfortably. In a few days Miss Buff Leghorn wanted to set and I fixed her a nice nest, too. One morning I went to feed them and a baby chick said, "peep, peep," and I did peep, too, and I can tell you that old mamma hen didn't scold me either; for she had changed her tone and said "cluck, cluck." It sounded like



she said "look, look." Well, we were all proud of her babies, if she did leave more eggs in the nest than shells. In a few days Miss Buff Leghorn came along with a few more, so we decided to put them all with one hen. Right there we made a big mistake. My husband went to tell his mother about the chicks, and while he was there I heard an "unearthly chicken yell." I looked in the box and Miss Buff Leghorn had brained six of her adopted children and was about to finish another. I tried to take them away from her and she flew at me. I just telephoned to my husband that the hen was killing her babies. By the time he reached home she had finished the other two and we just cried and then cried some more.

In a few days we turned all of them out to scratch in the garden. A neighbor had just cleaned out his stable and the chicks soon had limberneck. We lost about ten hens and our Leghorn rooster. We bought another one and soon had some more hens setting and had good luck with our fall hatches. Just about that time we decided to go to St. Louis to the fair. We asked my husband's little sisters to take care of the chickens while we were away. The weather changed and it was cold and wet. Some mornings they would be late for school and you know all of us "forget" sometimes.

We reached home on Sunday morning and my chicks met me at the front gate. I missed "my babies." We began to look and call them. A few with wings dragging the ground came tottering to me. We began to get uneasy and search about the flowers for them. We found twenty-six little brown babies dead. I decided right there that if we were to have any chickens we would have to stay at home. We moved soon after we came home from the exposition and when the next hen wanted to set we bought a setting of eggs—Brown Leghorns of course. This time only one egg was left in the nest unhatched, and they were the healthiest babies I have ever seen. We raised all the chicks. Soon after this we bought more eggs—paid \$5.00 for fifteen, too. That was our starter, though, and I wish today we had kept on buying from the same man, for I have never had truer Leg-



## Is It Worth \$1.00?

You can make every chick you can raise worth a dollar to you. Other poultrymen are doing it. You can't afford to lose a single chick. Insure their lives by using

## GERMOZONE

The poultry medicine with a *quarter century's* actual experience to back it up. Not only *cures* but *prevents* all chick diseases. It builds them up; enables them to successfully withstand the ravages of

**Bowel Trouble, Diarrhoea, Roup, Canker, Bronchitis, Inflamed Throat, Swelled Eyes or Head, Watery Eyes or Nostrils, Sleepy Disease, etc.**

Germozone is easy to give and almost certain in results—simply place in drinking water—chicks take their own medicine. Also excellent for applying outwardly to cure Bumble Foot, Chicken Pox, Frosted Comb or Wattles. Ask your dealer. Don't forget the name and don't take a substitute. If he does not have it send us 50c and we will send to you *prepaid* and with it one of the most practical books ever published, "Lee's Chicken Talk," written by Mr. Lee himself. Address

**GEO. H. LEE CO.,**  
1113 Harney St., Omaha, Neb.

horns. We had good luck with them, and kept the best, for by that time my husband had bought a "Standard of Perfection" and selected them by that.

His brothers often asked me if those chickens had any "dimes" on their toes yet. No; they brought us dollars. Each year we have added new blood and selected the earliest and best-laying stock, and today we have a well-developed, laying strain of "Browns."

Reader, don't expect all of your poultry ventures to bring you thousands of dollars on city lots. We have tried the "city lot" poultry business. It takes money, time, patience, and last but not least, years of experience, to make a success of poultry raising. Each day there is something to learn and unlearn in the business. Don't count on a silk dress for your wife and a gold watch for all the children and a new suit from head to foot for yourself the first few years; for you will be left in your old shoes. Of course if you have dollars that need "airing" you can buy your show birds, like some do. But to be "true blue," I think a poultryman should raise his own birds, and stand by his or her guarantee—to produce stock like specimens shown.

Some day I may want to tell you about our "orphan chicks"—incubator babies—so this is for a complete success for each and special luck to the starter. —MRS. J. A. THORNHILL, "Silent Partner" of Thornhill Poultry Farm, Hart-sells, Ala.

### Tenn. Valley Poultry Association

Dr. M. R. Moorman, W. L. Wall, W. T. Roberts, Dr. J. D. Humphreys, J. J. Bradley, Rev. S. E. Wasson and Mrs. D. H. Turner have been appointed as the Executive Committee of the Tennessee Valley Poultry Association with headquarters at Huntsville, Ala. Horace M. Layman is president of the association. Final arrangements will be perfected shortly for the holding of a first-class poultry and pet stock show at Huntsville sometime in December. Huntsville has many advantages as a show center, and there is every prospect for a successful exhibition, as the local breeders are especially enthusiastic this year.



### Crown Bone Cutter

Hens fed out green bone lay more eggs. Get a Crown Bone Cutter. Send to day for catalogue. Wilson Bros., Box 816, Easton, Pa.

**BEST MADE  
Lowest  
in Price**

## MATHEWS' MATCHLESS STRAIN OF S. C. WHITE LEGHORNS

THE KIND THAT WIN AND LAY AND PAY THEIR WAY

We won at Bristol, December, 1908, 1st cockerel, 2nd pullet and 2nd pen. At Jonesville, Va., Sept. 1909, first premium for the best pair; at Asheville, N. C. in December, 1909, we won 1st and 3rd cockerel; 2nd, 3rd and 4th pullet, 2nd hen and 1st pen, on six birds, each bird winning a ribbon, and five of them together winning first pen. Eggs from these prize winners \$2.00 per 15.

**W. S. MATHEWS,**

**BIG STONE GAP, VA.**

## BARRED MINORCAS WHITE MINORCAS BUTTERCUPS S. C. RHODE ISLAND REDS

This is a great quartet. I have sold out all other breeds, to devote time and space to above kinds. I am getting more eggs than I can use, therefore have decided to offer eggs for balance of this season as follows:

Barred Minorca Eggs, from 6 pens, assorted .....	\$3.00 for 15.
White Minorca Eggs, from 1 pen, first prize Crystal Palace winners .....	3.00 for 15.
Buttercups, 4 pens, assorted .....	2.00 for 15.
Single Comb Rhode Island Reds, 5 pens assorted .....	2.00 for 15.

The Barred Minorca is a great fowl and sure to win favor. The Buttercups are little wonders. My Reds are as good as the best.

**C. S. TAIT,**

**Brunswick, Georgia**

## EGGS FOR HATCHING AND STOCK IN SEASON

From Prize Winners. Eggs \$1.50 and \$1.00. S. C. Mottled Anconas, Rhode Island Reds, Barred Rocks, Brown Leghorns. Toulouse Goose Eggs, 30 cts. each.

**L. M. BARRETT,** Morristown, Tenn.

## BUFF WYANDOTTES EXCLUSIVELY

Carefully bred for eggs, vigor and the show. I raised 10 pullets from 13 eggs last spring. This year's mating will be fine. My best eggs cheap. Order now.

## PURITY POULTRY FARM

A. W. GALLOWAY

**R 6, CLEVELAND, TENN.**

## S. C. BUFF ORPINGTONS TWO YARDS

EVERY BIRD A PRIZE WINNER

I won 1st hen, 1st, 2nd pen, 1st, 2nd ckl., 1st, 2nd pullet and special on best pen, Memphis, on seven entries. Eggs \$2.00 for 15.

**MRS. W. A. GIBBON,**

**Conway, Ark.**



**"Birds and Hedgerows"**

Mrs. S. C. Bridgewater, of Dixon Springs, Tenn., the most prominent breeder of S. C. Buff Orpingtons in the South, who, it will be remembered, startled the poultry world at the Atlanta Show in January by beating the world-renowned "man who invented the Orpingtons," has just published an unique addition to poultry literature in the form of a booklet entitled "Birds and Hedgerows." The booklet is most beautifully and artistically designed, and is embellished throughout with numerous half-tone engravings of Mrs. Bridgewater's famous birds. Mrs. Bridgewater has dedicated this tribute to the beauty and stateliness of her Single Comb Buff Orpingtons to his Excellency, President Taft, and has had prepared at great expense a hand-illuminated special presentation edition which will be suitably delivered to the President at the proper time. This special copy of "Birds and Hedgerows" is hand-lettered in the most beautiful style by one of the best artists in the country, and is a classical production from an artist's point of view.

To his Majesty, King Edward of England, another special copy of this wonderful booklet has been dedicated by permission of the King himself. Still another special copy has been prepared for Mrs. Bridgewater's son and daughter, who live in Europe.

Through the kindness of Mrs. Bridgewater, the writer has personally inspected these three special hand-illuminated copies, and to say that they are three of the most exquisite pieces of literary production we ever saw, is simply to express our admiration in the mildest manner. In poultry literature, nothing anywhere approaching Mrs. Bridgewater's marvelously beautiful catalogue has ever been attempted. In the beauty of the illustrations—all true to life,—in the extraordinary good taste displayed in the arrangement—in the remarkable completeness and appropriateness of the text—all these combined into a surprisingly harmonious whole, make the booklet a thing of beauty so far beyond the power of our pen to adequately describe, that the best we can do is to say that one must see a copy of the booklet in order to comprehensively appreciate its surprising originality and true worth.

Mrs. Bridgewater has received the most flattering commendations from hundreds of the world's famous poultrymen, and all agree that not only is her booklet far ahead of anything now extant; but, with equally good grace, is the surprisingly unapproachable quality of Mrs. Bridgewater's flock of Single Comb Buff Orpingtons recognized as being the very acme of perfection. Mr. Wm. Barry Owen, proprietor of Owen Farms, Vineyard Haven, Mass., writes: "Mrs. Bridgewater, your 'Birds and Hedgerows' received. It is the most perfect piece of Buff Orpington literature in the world today. You have wonderful birds, and I must come at once to visit your Joyous Garde Poultry Yard." This is from a man whose Orpingtons have won many firsts at New York, Boston, and elsewhere, and it is only a fair sample of hundreds of other letters that Mrs. Bridgewater has received, all praising the magnificent birds to be found in the yards of this now famous, but charmingly reserved and delightfully

# S. C. BUFF ORPINGTONS

## BEST IN AMERICA

Certified best ever seen by three licensed expert poultry judges and a world breeder of Orpingtons. Two Loving Cups for best cock and best hen and pen. Special badge for Kate, best hen in show, three thousand birds competing, Atlanta, Ga., 1910. One pen Crystal Palace winners of the Blue, London, England. Foundation stock a specialty. Eggs for sale.

**Mrs. S. C. Bridgewater, Breeder, Importer and Exporter Dixon Springs, Tenn.**

**"Col. Rock"**  
Our 1st Prize Cock,  
Louisville, Ky.,  
State Fair.



## Barred Plymouth Rocks

Buy eggs from prize-winning strains. Send for our mating list. Select your eggs from pens headed by our premium birds. Our grand record of 38 premiums, 16 specials and 2 silver cups, won during 1908-09 at Louisville, Ky., Frankfort and Owensboro, proves the superiority of our fine, big Barred Plymouth Rocks.

**Eggs, \$2.00 Per Fifteen**

Get our catalogue and mating list—get others. See the difference. Start with our stock and be satisfied. Our nineteen years of successful line breeding has developed a prize-winning strain that breeds true, straight, narrow, snappy barring. Write for our big catalogue, and complete list of winnings. It tells just what you ought to know about Barred Plymouth Rocks. Write for catalogue No. 7. We will answer promptly.

**POPE & POPE**

ESTABLISHED  
1891

**Louisville, Ky.**



## PATTERSON'S WHITE ROCKS ARE WINNERS

The grandest utility bird on record today, and as to their fancy quality, our recent winnings at the great Atlanta Poultry Show demonstrates all we claim. All our winners, including our first prize cockerel, will be kept in our breeding yards throughout the hatching season. Eggs \$3.00 per 15; \$5.00 for 30.

**PATTERSON FARM, Fitzgerald, Ga.**  
J. P. PATTERSON, Prop.

hospitable and entertaining good lady, at her beautiful home at Dixon Springs, Tenn.

Surely no one who has ridden hour after hour across the vast plains of Palestine in springtime can ever forget their charm, their peculiar, almost

drug-like spell, irresistible and sweet, giving a peace akin to the peace of a sleep blessed, not troubled, by dreams to heart and brain—by dreams of green and golden marshes, of softly, slowly moving oceans of corn and barley, of mazes of wild flowers quivering about the tripping feet of thin Syrian horses.—*May Century.*

## SINGLE COMB WHITE LECHORNS EGGS FOR HATCHING

I have won prizes at Cincinnati, Louisville, Frankfort, Lexington and Nashville, Tenn. My pens are mated up to get the best results in exhibition and egg production. A few cockerels at \$3.00. Write for prices—they are right.

**D. D. SLADE, Box B, R. F. D. 8, Lexington, Ky.**



**Down-to-the-Minute Brooding Apparatus**

Herewith are two pictures which illustrate what the manufacturers claim to be the latest and best brooding devices thus far invented and offered to poultry raisers. One is the

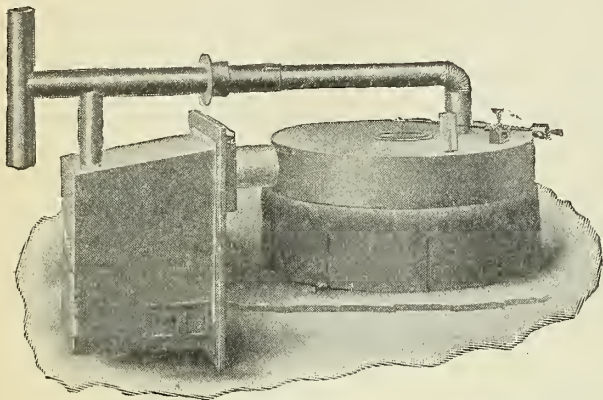


FIG. 1. Cyphers Company Self-Regulating Fire-Proof Adaptable Hover.

World's Challenge Fire-Proofed Adaptable Hover for use in factory and home-made brooders; and the other is the One-lamp Sectional Paradise Brooder for indoor use in residences, poultry houses, etc. Both are manufactured, sold and guaranteed by Cyphers Incubator Company, Buffalo, N. Y. They are carried in stock at the factory, also at the branch stores of this company, 23 Barclay Street, New York; 12-14 Canal St., Boston, Mass.; 340-344 No. Clark St., Chicago, Ill.; 2325 Broadway, Kansas City, Mo., and 1569 Broadway, Oakland, Calif., whence shipment is promised by the Cyphers Company within forty-eight hours after orders are received.

The Adaptable Hover (Fig. 1) is used in each of the four sizes of Cyphers Company Standard Self-Regulating Brooders and is also sold separately for use in brooders of other makes, also in home-made brooders built of goods boxes, piano and organ cases, etc., also in colony roosting coops, colony houses or other poultry buildings. As its name indicates, it is "adaptable" for use in any form of enclosure in which little chicks can be confined or housed with safety.

The Cyphers Company Adaptable Hover is self-regulating and self-ventilating. It will not overheat and the ventilation is automatic—infallible. Fresh, warm air is supplied the chicks constantly in moderate amount, day and night. This Adaptable Hover has been approved by the representatives of the National Board of Fire Underwriters and bears the official

insurance label—a feature that is found in no other oil-heated brooding device on the market. The manufacturers claim that this Adaptable Hover can be used in or near any building with absolute safety. The complete hover, safely boxed for shipment, f. o. b. Kansas City, Mo., and other eastern points, sells at the low price of \$8.50.

Many of our readers who wish to save the expense of special poultry buildings, or of a large number of outdoor brooders, should send for Cyphers Incubator Company's separate booklet, which describes and fully illustrates the Paradise Brooder, a one-lamp sectional indoor brooding device that, in complete form, as shown in the picture herewith, will accommodate 400 chicks at one time, 50 chicks in each lot and all heated by a single blue-flame stove or lamp. This brooder has been on the market four years and is giving uniform satisfaction. The booklet here mentioned contains convincing reports from poultrymen of well-known integrity. By the use of this economical and thoroughly practical brooding device 1200 to 1600 chicks can be raised to broiler age—eight to ten weeks old—in an ordinary living room in a dwelling house and the chicks at all times will be under perfect control.

Write today to Cyphers Incubator Company

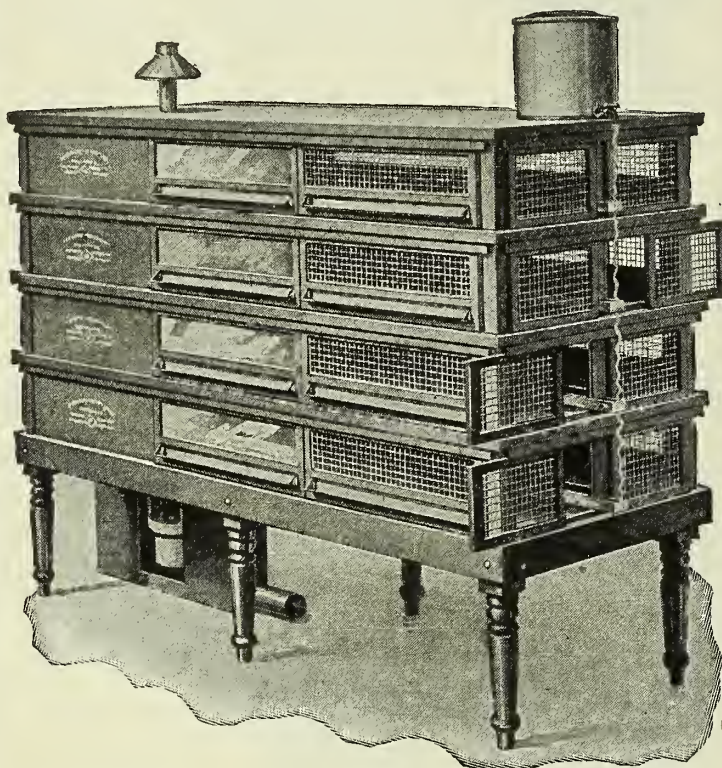


FIG. 2. Sectional One-Lamp Paradise Brooder for indoor use. Capacity 400 Chicks in eight lots of 50 Chicks each.

for their 160-page 1910 catalogue and Poultryman's Guide, also separate booklet describing the Paradise Brooder. Both are free, postpaid, if you will kindly mention this paper. Address branch house nearest you.

**CHICKS DAY OLD CHICKS SHIPPED CHICKS ANYWHERE BY EXPRESS CHICKS**  
10c EACH. EAST CHARLOTTE POULTRY YARDS  
CHARLOTTE, N. CAROLINA

## Greider's Poultry Book

Better, Bigger than ever

200 PAGES



Everyone interested in poultry—the man with a big poultry farm as well as the man with a few hens—should have Greider's Poultry Book. It contains 200 pages of just the kind of information you need, 30 handsome colored plates showing pure-bred stock. The book is full of practical help, gained through actual experience on the largest poultry farm in Pennsylvania. Write for it today. Price, 10 cents.

**B. H. GREIDER, Box 101, Rheems, Pa.**

THIS BOOK tells how and where to buy stock, eggs, incubators and supplies at reasonable prices. Don't miss this chance.

## S. C. BUFF ORPINGTONS

Exhibition quality. Trap-nested. Bred to lay. Not a dissatisfied customer. Eggs specially selected. Pedigreed exhibition stock for sale. Satisfaction guaranteed.

**TWICKENHAM POULTRY YARDS**  
HUNTSVILLE, ALABAMA

## BRED TO LAY S. C. White Leghorns

EGGS \$2.00 PER SETTING

**D. M. JONES, Kizer, Tenn.**

**Des-Rena Barred Rocks Exclusively**

Frank M. de Sassure, proprietor of Des-Rena Poultry Yards, Greenville, S. C. writes us that he has sold all of his White Wyandottes, and that in the future his time will be given exclusively to Barred Rocks only. Mr. de Sassure is now sole owner of these noted yards, and his determination to breed only one variety is only another evidence of his excellent judgment and ability as one of the foremost breeders of the South. We have never heard of a complaint from anyone dealing with Des-Rena Poultry Yards, though the volume of business coming to them constantly is something that anyone might justly feel proud of.

### \$11.50 From One Insertion of Breeder's Card

I will have to tell you that may ad in your paper is doing fine. I have advertised in several poultry papers, but never had anything like so good results as I get from THE HEN. I got a friend of mine a month or so ago, who was talking of advertising in another paper, to give THE HEN one trial. He used a breeder's card one month; got his paper one day, on inquiry the next day, and sold \$11.50 worth of stock from that inquiry. I see he is still with you. He says he cannot fill all the orders he gets now, and has been returning some. I think a trial will convince anyone that THE HEN is the paper.—L. M. BARRETT, Morristown, Tenn.

### Rockingham, N. C. Show

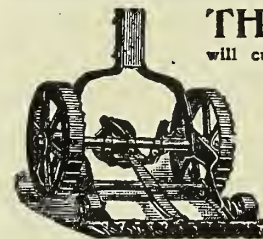
The second annual show of the Rockingham Poultry Association will be held at Rockingham, N. C., January 6-10, 1911. H. L. Guthrie, secretary; Loring Brown, judge. This is a strong association and a good show is assured.

### Virginia Beauty Orpingtons, S. C. White

Kellerstrass strain. Large, strong and vigorous. Native bluegrass yards and range. Two pens only. Eggs, \$2.00 and \$4.00 per 15. Cockerels for sale.

**V. L. SEXTON, Graham, Virginia**

Member Virginia Poultry Association.  
Member American White Orpington Club.



### THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

If your dealers do not keep them, let us know, and we will send circulars and prices.

**Clipper Lawn Mower Co., Dixon Ill.**

### S. C. R. I. Reds and Brown Leghorns

From prize winning stock and year-around layers. Eggs, \$2.00 per setting; two settings \$3.50; \$6.00 for 100 eggs, Reds only. Cockerels, \$1.50. Order from this ad.

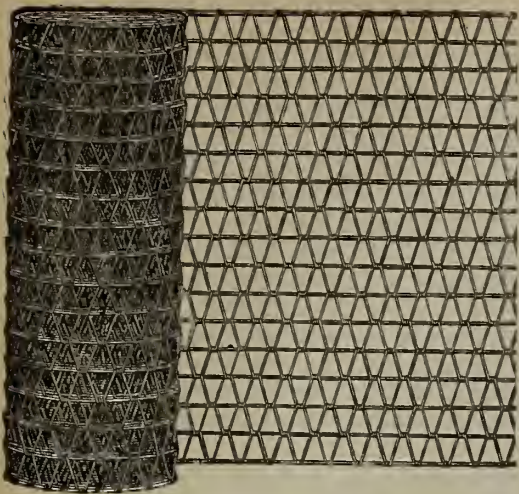
**J. W. BOWERS, R. I, Englewood, Tenn.**

**JAS. CARMICHAEL, Prop.**

### HAWKINS COUNTY POULTRY FARM ROGERSVILLE, TENN.

Breeder of fancy and utility poultry. S. C. Reds, Hampton Strain, eggs \$2.00 per 15. S. C. W. Leghorns, Pierce Strain, Eggs, \$1.50 per 15. My Pens are made up of the best stock that can be obtained in the South. Satisfaction guaranteed or money refunded.





## POULTRY FENCE

**33 CENTS A ROD** For a 50-inch Poultry Fence. Two No. 12 High Carbon margin wires, ten No. 16 High Carbon line wires and No. 18 mesh wires. 2-inch mesh. Line wires 4 inches apart.

**PRICE REDUCED** from 37 cents a rod and is a big bargain at 33 cents. We make this fence 36 inches high at 27c, 45-inch, 30c, 54-inch, 36c, 59-inch, 39c, 63-inch, 42c, a rod. At these prices it is cheaper than the flimsy hex netting and will last for years. This is a very strong fence and posts may be set from 16 to 20 feet apart. Does not require baseboard or top-rail. Is easily stretched.

**POULTRY GATE \$2.30**

3½ feet wide, 48 inches high, covered with heavy poultry fence. Price includes malleable latch and hinges. Others will ask you \$3.00 for a gate not as good.

**FREE CATALOGUE.** Get our large Free CATALOG, which prices 63 heights and styles of Poultry, Farm and Yard Fence. The bargains we are offering will please and surprise you.

**KITSELMAN BROTHERS,**  
BOX 253 MUNCIE, INDIANA.

## SEND FOR PHOTOS

and descriptive folder of my prize winning—egg producing strain of White Plymouth Rocks.

Mrs. J. W. Richards, Pope, Miss.

## EVERY CHICK CURED!

Flomaton, Ala., 8-17-'09  
MESSRS. SMITH BROS.,  
Haley, Tenn.  
Gentlemen.—The Chicken Pox and Sore Head Remedy you sent me is all right and will cure sore head. Cured every bird I used it on.

The above is a part of a lengthy letter written us by Mr. D. C. O'Gwynn, and is a sample of many more we have on file. If you have any disease among your flock, Smith's Remedies will cure them, so tell us your troubles. We use Smith's Remedies every day and guarantee them.

Fancy Poland China pigs \$18.00 per pair. Fox Hound and Fox Terrier pups, none better, \$10.00 per pair.

ADDRESS

**SMITH BROS.**

McLean Sta., R. 7, Nashville, Tenn.

### North Carolina Reds

West Durham Poultry Farm, of West Durham, N. C., exclusive breeders of Single and Rose Comb Rhode Island Reds have some especially strong matings this season. They are in position to take care of your egg business in a most satisfactory manner, and their prices are reasonable considering quality they furnish. Send for their mating list.

We have received the mating list of Miles Poultry Farm, Oscar E. Miles, owner, with offices on 11th floor, Capitol Trust Building, Columbus, Ohio. Mr. Miles is an expert poultry judge and is the originator of the justly famed "Miles' Utopia Strain" of Barred Plymouth Rocks and S. C. Rhode Island Reds. Mr. Miles' birds of both breeds have the "winning" habit, and the bigger the show and the stronger the competition, the more ribbons and cups they carry away. After June 1, both eggs and stock can be obtained from Mr. Miles at half price. Better send for his mating list, which will give full description and particulars with regard to the superb matings to be found on this farm.

For Single Comb White Leghorn eggs from stock that have always proven their superiority, see advertisement, in this issue, of W. E. Gabhart, Box M, Bohon, Ky. For the remainder of the season, Mr. Gabhart offers eggs at greatly reduced prices. This is a rare opportunity for customers who are interested. Better communicate with Mr. Gabhart without delay.

### Judge Parrish's Bargains

From an acquaintance extending over many years, we do not have the slightest hesitancy in endorsing T. Reid Parrish, North Sta., Nashville, Tenn., as a breeder of an unexcelled strain of Columbian Wyandottes. Mr. Parrish is a poultry judge of rare ability and makes a specialty of breeding Columbians for exhibition purposes. He is offering both eggs and stock at half price now, and this is an opportunity that those desiring to purchase Columbian Wyandottes cannot afford to overlook. See his advertisement in this issue. No need to worry about a "square deal" when transacting business with Parrish. If he ever had any kicks, we never heard of them, and he has been a patron of THE HEN for years and years.

### Childress' Bargains

Prospective purchasers of S. C. White Leghorn eggs will do well to read the advertisement of John F. Childress on the inside back cover page of this issue. \$1.50 to \$3.00 per setting for Childress' eggs is a remarkably low price, and we wager that he will have to turn down orders before the season is over. THE INDUSTRIOUS HEN unqualifiedly recommends John Childress as a breeder meriting a most liberal patronage.

## BUFF WYANDOTTES

Eggs for hatching from our Knoxville and Cincinnati winners—three pens of the finest birds we ever owned. Send for circular.

### BLUE GRASS POULTRY YARDS

Wm. K. Lewis, Prop., DRY RIDGE, KY.

### Current Progress in Surgery

Dr. Howard Lilienthal, attending surgeon to Mount Sinai and Bellevue hospitals, New York, contributes to the April Century a paper on current progress in surgery. This, it is announced, will be the first of a group of similar papers dealing with the work of the world in many fields of endeavor and achievement.

### According to Helen

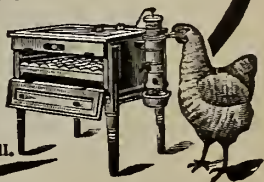
The Sunday-school teacher had tried to define and illustrate a miracle to her class. When review-Sunday came she said, "Now, children, what would you call the feeding of the five thousand with three loaves and two small fishes." Little Helen replied, "A feast."—The Delineator for May.

### Hatch Chickens By Steam

The most satisfactory incubators on the market are the Wooden Hen and Excelsior. They not only solve every problem of heat, moisture and ventilation, but hatch a chick from every fertile egg. The simplicity of construction and economical operation of the

### Excelsior Incubator or WOODEN HEN

make them the most popular incubators—run themselves. Send for free catalogue on growing Incubator Chicks, fourteen colored views.  
GEO. H. STAHL  
Box 30-U Quincy, Ill.



## BROWN POULTRY FENCE

Does Not Cost One-Half as Much as Common Chicken Netting, Yet Will Last Five Times as Long

**Size of Wires.** The top wires are No. 9½ gauge—same as nearly all stock fences. Intermediate and stay wires in same proportion—all double strength high carbon spring steel wire.

**One Inch Spacings.** More closely woven by far than other poultry fences, because bottom wires are only one inch apart, balance in same proportion—absolutely chick tight and rabbit proof.

**Stock Strong.** Built of material heavy and strong enough for hogs, horses and cattle. Wires cannot possibly slip, sag or bag down.

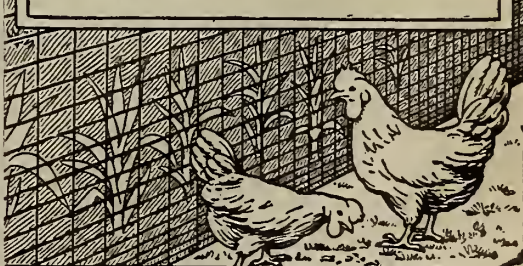
**Rust Proof.** The double galvanizing of every pound of wire in Brown Poultry Fence insures the fence against rust for many years.

**Saving in Cost.** With No. 9½ top wires, you can save at least one-half the posts, and besides you require no top railing or bottom boards. These items alone usually cost more than the fence.

**Price.** Our prices are less than common netting costs. Before buying any poultry fence, get our catalog and prices. We have 160 styles of fences to select from.

For a poultry proof fence woven close enough to confine small chicks yet strong enough for cattle, this fence cannot be equalled anywhere or at any price.

Write Today—We pay the Freight  
The Brown Fence & Wire Co.  
DEPT. 37 CLEVELAND, OHIO



## EGGS FOR SALE EGGS

EGGS Exclusively pure strain S. C. White Leghorns. Prize winners. World renowned egg producers. EGGS

O. H. TINDELL, FOUNTAIN CITY, TENN.



**Official Notice of Adulteration**

The Secretary of Agriculture has issued the following bulletin:  
To Manufacturers, Vendors, and Consumers of Bleached Flour:

Flour bleached by the Alsop process contains added poisonous and added deleterious ingredients which render the flour injurious to health.

Flour bleached by the Alsop process contains a substance known as nitrites, which reduces, lowers and injuriously affects the quality and strength of the flour.

Flour bleached by the Alsop process is mixed, colored and stained in a manner whereby damage and inferiority are concealed.

For these reasons flour bleached by the Alsop process is adulterated within the meaning of the Food and Drugs Act of June 30, 1906.

So decided Judge Rufus E. Foster on March 15, 1910, in the case of the United States of America, Libellant, vs. 420 sacks, et al, of Flour, in the United States District Court for the Eastern District of Louisiana.

There was also involved in this case the issue of misbranding, and the decree of the court was that the flour was misbranded. Your attention is called particularly, however, to the adulteration feature because of the misleading circular which is being distributed by the Alsop Process Company in an effort to induce manufacturers of flour to continue to violate the Food and Drugs Act. An attorney of the Alsop Process Company, who also represented several of the millers, and other attorneys representing the millers, had a full, fair opportunity in the New Orleans case to contest the issue of adulteration of flour bleached by the Alsop Process and refused to do so. The so-called "Iowa cases" were dismissed by the Government because in the opinion of the Assistant Attorney-General in charge of the cases the issue was not presented in those cases in the full, complete and thoroughgoing manner desired by the Government.

I desire to advise manufacturers, vendors and consumers of bleached flour that there has been no change in the position of this Department as announced in Food Inspection Decision No. 100, and sustained by the Federal Court, i. e., flour bleached by nitrogen peroxid is an adulterated product under the Food and Drugs Act June 30, 1906; that the character of the adulteration is such that no statement upon the label will bring bleached flour within the law, and that such flour can not legally be made or sold in the District of Columbia or in Territories, or be transported or sold in interstate commerce.

James Wilson,  
Secretary of Agriculture.

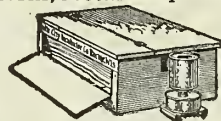
Kitselman Brothers, fence manufacturers, of Muncie, Indiana, have just completed their large catalogue of fencing. Their prices are extremely low when you consider the high quality of their fencing. Prices range from 14¢ cents a rod up. See their ad elsewhere in this paper and write them for catalogue.

## \$7.55 Buys the Best

# 140-Egg Incubator

Ever Made

**\$4.50 Buys the Best Brooder**  
Both Incubator and Brooder, ordered together, cost but \$11.50. Freight Prepaid. The Belle City Incubator has double walls and dead air space all over, copper tank, hot-water heat, self-regulator, thermometer, egg tester, safety lamp, nursery, high legs, double door. The Belle City Brooder is the only double-walled brooder made, hot-water heat, platform, metal lamp. No machines at any price are better. Write for our book today, or send the price now under our guarantee and save waiting.



Brooder  
Belle City Incubator Co.,



We Ship  
quick from  
St. Paul  
Kansas City  
Buffalo or  
Racine

Satisfaction  
Guaranteed  
Box 94, Racine, Wis.

### Mrs. Shofner's Home Burned

Just before going to press we were advised that fire had destroyed the home of Mrs. J. C. Shofner, Mulberry, Tenn., editor of our Turkey Department. The misfortune occasioned a complete loss, as she carried no insurance at the time. Mrs. Shofner states that among other things, many unanswered letters and inquiries were burned up, and that she is unable to recollect the names of some of the writers. All persons, therefore, who have written Mrs. Shofner, and failed to get a reply should write again. She will still be able to take care of the wants of her many customers.



### THE OLD RELIABLE FOR BIG POULTRY PROFITS.

Keep the chicks growing and hens laying by ridding them of lice and mites. Lousy fowls never pay.

**LAMBERT'S "DEATH TO LICE"**  
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Indian Poultry Yards, W. Nashville Tenn

#### White Wyandottes

R. L. Cole, Newbern, Tenn,

### Indian Runner Duck Eggs Free

Indian Runner Duck breeders at the Alaska-Yukon-Pacific Exposition realizing the necessity of some united effort to push their breed to the front, have organized the American Indian Runner Duck Club. It was decided to instruct the secretary to get out a letter to the poultry press of the country asking the editors to give as much publicity as possible to their club. All persons who send \$1.50 for first year's dues before June 1, 1910, will receive a sitting of ten eggs free. This is the best offer ever made by any specialty club. The secretary is now at work on the first annual year book. In order to make as creditable a showing as possible, we invite all Indian Runner Duck breeders to join. Members will have an opportunity to compete for silver cups, club badges and specials. All members and breeders of Indian Runner Ducks are requested to use as much space as they can afford in the poultry journals in order to show that our breed is as profitable (if not more so) than many varieties of chickens. We invite all secretaries of poultry shows to submit offers for our next annual meeting. Address all communications relative to the club to N. M. Barch, Sec., 4829 37th Ave., N. E., Yesler, Wash.



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### "Kant-Klog" Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Address

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(Black and White), R. I. Reds and Leghorns, (S. C.), Pekin and Indian Runner Ducks. Atlanta and Macon Shows 1908; 13 entries, 8 1st, 4 2nd. Winchester, Tullahoma, Shelbyville and Murfreesboro Fairs, 1909, 22 1st, 12 2nd. Nashville '09, 4 1st, 2 2nd, 1 3rd and 2 4th.

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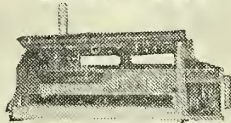
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Emaciated, Convalescent  
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**Senator Hale on Roosevelt's Return**

Ray Stannard Baker, writing in the April *American Magazine*, about what Roosevelt will do when he gets back, quotes Senator Hale on the subject in the following connection:

"The Progressives of the country want Roosevelt back again. They are looking to him for progressive leadership. They have almost pathetic faith in him. This is recognized not only by the Insurgents themselves, but by the so-called 'stand patters.' Said Senator Hale, of Maine, one of the strongest of the old Conservative leaders, concerning President Taft's message:

"The so-called Insurgents will not be satisfied with the message, and are already looking to Roosevelt and his return to the country in order to increase their importance by adhering to him and depreciating, as they are everywhere, the President and his policies."

**Gape Now Can be Cured**

At last a remedy has been discovered to cure Gape in chicks. This troublesome disease can now be successfully conquered by Peerless Gape-nit. It is also good for young turkeys. If used according to directions gives instant relief and is a positive cure, even in the last stages. It means a new lease of life to chicks and young turkeys, and restores them to normal health and vigor, and guarantees the poultry business a more decided success. Many valuable chicks doomed to die by their owners, have been thoroughly cured. Gape-nit was not put on the market until it had been proven successful in many cases, so you take no chance in buying something which will not prove to be a sure cure, and one that you can depend on to do the work right. Peerless Cholerera Cure is also another successful cure made by the same house, and one that never fails to make a speedy cure of cholera. Write the manufacturers, who sell the remedies direct to consumers, for copy of their latest booklet on both cures, it gives full information, prices, testimonials, and other valuable facts.

**How to Ship Eggs and Day-Old Chicks Without Loss or Damage**

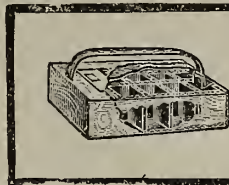
Many breeders are condemned by customers, when eggs bought from them fail to hatch, which is due in most cases from the box or slat baskets in which they are shipped. When shipped in a wooden box they are thrown around by the Express Agents, and when shipped in a slat basket, it is so weak and frail that in most cases, some of the eggs are broken, or so badly jarred that they could not hatch. Then customers condemn breeders, and in most cases, the breeder loses his customers trade. We have just received a circular showing one of the best line of boxes on the market for the shipment of eggs and day-old chicks, these boxes are made of corrugated card board, and are so strong, that they will stand the weight of 5 men or 1,000 pounds, and yet so light, the saving in express charges more than pays for the box. They are made to hold 1 to 2 settings, also 50 and

**EGGS FOR HATCHING FROM FOGG'S S. C. WHITE LEGHORNS**

are the kind that will hatch you WINNERS and HEAVY LAYERS. My matings this season contain the best birds in this country. 1910 mating list is ready now. If you want EGGS in single setting or thousand lots, it will pay you to send for it.

If you are interested in "THE BEST IN S. C. WHITE LEGHORNS" send for mating list and catalog NOW. Get your egg orders in early.

N. V. FOGG, Box A, Mt. Sterling, Ky.

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without loss or breakage. Use RIPPLEY'S Corrugated Card Board. So strong a man can stand on them, but so light the saving in express more than pays for box. Money returned if they fail to do as recommended. Prices, 1 setting size, \$1.25 doz.; 2 setting size, \$1.90 doz. K. D. Egg Boxes, 50 egg size, \$2.50 doz.; 100 egg size, \$4 doz.; K. D. 50 size Chick Boxes, \$1.50 doz.; 100 size, \$2.50 doz. Mail order or write for descriptive circular of these boxes, Fireless Brooders, Whitewashers, etc. RIPPLEY MFG. CO., BOX 41, GRAFTON, ILL., U. S. A.

100 lots of eggs, and the day-old chick boxes in 25, 50 and 100 sizes. The RIPPLEY MFG. CO., Box 41, Grafton, Ill., guarantee them to be as represented or return money. Note their advertisement in this issue and order direct or send for their complete circular of Egg, Chick and Fowl Shipping Boxes.

**Close to Nature**

Getting close to nature in chick brooding means more chick lives saved. If it were possible to duplicate nature's requirements for the perpetuation of chick life and to be able also to eliminate the accidental influences, it would then be possible to raise to maturity every healthy chick hatched. The old hen could do it with her instinct of select food, brood, and nurse the chicks were it not for accidents over which she has no control and which beset chick life on every hand. If man could do all that the hen can do, and at the same time eliminate the accidental forces he could bring to maturity more chicks than can the hen. But too many brooders while attempting to eliminate the accidental, fail to imitate the natural. To stay close to nature is the principle on which the remarkable Close To Nature Brooder is constructed. It is an exact duplicate of the hen in her instinctive way of brooding. This brooder warms the chick as does the hen with a mild, gentle, contact warmth. It goes farther than the hen in that it gives temperately warmed, fresh air to every chick in the hover, it matters not how many there may be. And it also prevents all piling up and over-crowding. This brooder has made a wonderful impression on scientific

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**S. C. BUFF ORPINGTONS**

Imported strain, rich golden buff throughout, up to weight. Mine are winter layers, and win the Blue. Eggs \$2.00 per 15. Stock a matter of correspondence.

MRS. LULA LAWSON

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**Only Rose Comb Rhode Island Reds**

Won this year at Hagerstown, Md., 3rd and 4th pullet, 5th ckl and 1st pen. At Washington, D. C., 5th pullet, 4th ckl., 5th hen and 1st pen. Hot classes at both shows.

Eggs from best pens \$5 per 15

M. C. RICHARDSON, Jr., Front Royal, Va.

**EGGS FOR HATCHING****S. C. RHODE ISLAND REDS THE RED KIND**

Bred for heavy winter layers and prize winners. \$2.00 per 15; \$3.50 per 30. Satisfaction guaranteed.

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Kerrville, Tenn.

**EGGS---EGGS---EGGS**

Are what we breed for and get on the Twin Spring Poultry Farm. S. C. W. Leghorns, N. V. Fogg strain, as good as the best. Eggs, 15 for \$1.25; 100 for \$6.00. Indian Runner Ducks, none better. Eggs, 13 for \$1.25; 100 for \$7.00.

Six choice cockerels at \$3.00 each. Guarantee satisfaction in every respect.

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**QUALITY WINS****MILES' B. P. ROCKS and S. C. RHODE ISLAND REDS**

At the Great Ohio State Show, Columbus, Ohio, January, 1910

On Barred Plymouth Rocks: 1st and 2nd cock; 1st and 4th hen; 2, 3 and 5th pullet; 1st pen. On Rhode Island Reds: 1st and 2nd cock; 2nd and 3rd hen; 1st cockerel; 1st and 2nd pullet; 1st and 3rd pens. Add this to my winnings at Pittsburg, Cleveland, Indianapolis, Cincinnati and Nashville is a record never before made by any breeder. Why should they not win? I have had 11 years' experience breeding, exhibiting and judging these two breeds of fowls.

Send for my 1910 mating catalogue—it will tell you more.

Get the benefit of my experience by buying Eggs \$5.00 per 15.

**MILES POULTRY FARM**

Oscar E. Miles, Owner

Mention "THE HEN"

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COLUMBUS, OHIO

**HARP'S SINGLE COMB BUFF ORPINGTONS AND BUFF COCHIN BANTAMS**

Prize winners and egg layers. Mating list of five grand pens for the asking. No stock for sale.

ROGER V. HARP, Short St., Lexington, Ky.

**CHOICE****Barred Plymouth Rocks**

Either for show or to breed, at honest prices. Eggs from prize matings.

T. J. GOODLETT, Traveler's Rest, S. C.



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CLASSIFIED ADVERTISING RATE, 2 cents per word, flat, subject to a discount of 10 per cent on yearly contracts amounting to \$6.00 or more. Ads in this department must be paid for in advance.

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HOLSTEIN BULL CALVES, "bred in silk." Johnson Bible College, Kimberlin Heights, Tenn. 82

## ANDALUSIANS.

BLUE ANDALUSIANS, White Faced Black Spanish, Silver Spangled Hamburgs and Indian Runner ducks. First winners. Finest strains. Prices reasonable. Stock and eggs. H. R. Birchett, Lebanon, Tenn. 77

## BANTAMS

WHITE COCHIN BANTAMS—Pure white little beauties. Eggs, \$2.00 per 15. W. B. Romine, Pulaski, Tenn. 71

## BRAHMAS

LIGHT BRAHMAS exclusively for 16 years. Eggs from five thoroughbred, farm-raised Light Brahmata, \$2.00 per 15; 30, \$3.50. Pen eggs, \$3.00 per 15. Mrs. J. M. Whaley, Route 2, Sharpsburg, Ky. 73

## BUCKEYES

BUCKEYE REDS—eventually, why delay. Three firsts, St. Louis. Eugene Cowles, Shelbyville, Ky. 73

BUCKEYES. Ideal, all purpose, dark red fowl. Winter layers, hardy, beautiful. Winners Chicago, St. Louis, Kansas City, Cincinnati. Eggs, \$2.00 per sitting; 30, \$3.50; 45, \$5.00; 100, \$10.00. A. H. Weisberg, Nevada, Mo. 77

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DARK CORNISH—Imported by us direct from Cornwall, England. The best. Circular free. M. J. Van Eman, Box 1, Elgin, Ohio. 72

MY PURE WHITE INDIAN GAMES or White Cornish, as Club calls them, are all purpose money makers. M. E. Kennedy (Club member), Temple, Ga. 73

## DORKINGS

SILVER GREY DORKINGS—Finest quality flesh; good layers; eggs from premium pens \$1.50 per sitting. D. S. Harris, Williamsburg, Va. 73

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AUSTRALIAN BUFF DUCKS—Champion Buff ducks. Something new. Imported. Eggs \$3.00 per 15. Barred Rocks. New blood. \$1.50 per 15. Pineapple Poultry Farm, Kirbyton, Ky. 71

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HAMBURGS—All six varieties bred for thirty five years; winners at the big shows and fairs. Julius Frank & Son, Akron, Ohio. 72

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INDUSTRIOUS HOUDANS—Anything you want in Houdans from good utility stock to cracker-jack show birds. Prices right. Try me a "whirl." Money back if not satisfied. A. A. Chiverton, Box 62, Livermore, Ky. 72

FAULTLESS HOUDANS—the fowl that have been pedigree bred for eggs for 20 years from trap nest records. They are the greatest winter layers known and lay a chalk-white turkey-sized egg. These fowls will average 250 eggs apiece a year; they never set, are easily confined by a five-foot fence and are grand table fowl. As show birds they have won every first prize in New York, Boston and Chicago for years. Send ten cents for largest illustrated Houdan catalogue ever issued. It tells you how to clear \$3,000.00 a year from 100 Houdans. E. F. McAvoy, Sec'y Houdan Club, Cambridge, N. Y. 72

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BLACK LANGSHANS exclusively. I won first pen three consecutive years at Louisville. Eggs, \$1.00 and \$2.00 per fifteen. Mrs. L. P. Foreman, Hartford, Ky. 71

BLACK LANGSHAN eggs from egg laying strain \$1 per 15, \$1.75 per 30, \$5.00 per 100; Mammoth Pekin Ducks, eggs \$1 per 15. M. H. Myers, Edom, Va. 73

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SINGLE COMB pure White Leghorns. Eggs for hatching from vigorous, free range stock. Write for prices. George Wells Wilson, Arkadelphia, Ark. 73

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ROSE COMB White Leghorns. Winners. Lew Nelson, R. 3, Britt, Iowa. 74

S. C. BUFF LEGHORNS. Buffs that are golden buff. True to feather. Heavy layers. Prize winners. Eggs from best pens, \$2.00 per 15, \$3.50 per 30. Stock for sale. Prices reasonable. W. R. Cunningham, Lynchburg, Va. 71

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QUALITY AND UTILITY. Rose Comb White Leghorns. Winners at Chicago, St. Louis, Indianapolis. Great laying strain. Eggs, \$3.00 per sitting. "They lay and they win." Max Fries, "Rural," Warsaw, Ind. 71

FINEST EXHIBITION and LAYING Strain Single Comb White Leghorns on South Atlantic coast. Prices on application. Hayden Clement, Salisbury, N. C. 72

S. C. WHITE LEGHORNS—Farm raised; hustling layers; headed by Fogg's strain. Eggs, \$100 per setting. B. C. Bellinger, Charleston, S. C. 72

EGGS FOR SALE—Whitman's White-as-snow Leghorns, 14 years line bred, none whiter, none stronger; some as good, none better. Pen No. 1, containing first prize cock at Knoxville and Bristol, with 15 of the best selected pullets out of 50 of Lawson's "Blue Ribbon" strain; this pen, \$2.50 per 15; \$10 for 100. Other good matings, \$1.50 for 15; \$8.00 per 100. Whitman's Roup Cure free with each order. D. Whitman, Spartanburg, S. C. 71

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S. C. WHITE LEGHORN EGGS for hatching, which have heavy laying qualities back of them; high scoring parents; they are winter layers; write for folder. F. E. Myers, R. 2, Zanesville, Ohio. 71

ROSE COMB WHITE LEGHORNS. Elephant strain. First cockerel at Seattle; Iowa State, 2 firsts and club cup. Eggs: pen, 16 2-3c, range 10c, utility 5 cents each. Circular. Rogers Ranch, Dept. 23, Pleasanton, Ia. 71

COFFMAN'S BUFF LEGHORNS always win, always lay. A grand combination. Get right by buying your eggs of Coffman. \$1 and \$2 per setting. J. N. Coffman, Edinburg, Va. 71

EXPRESS PREPAID—Single Comb White Leghorns; trap nested; bred to lay; \$2 per 15 eggs. H. W. Coddington, Roanoke, Va. 71

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LARGE PURE WHITE, Single Comb White Leghorns; 15 eggs \$1.50; \$4 per 100; catalogue. Hoak, The Incubator Man, Ligonier, Ind. 73

SINGLE COMB Brown Leghorns; the larger kind, with well developed combs and that soft brown color that is so much admired; the laying kind; eggs \$1.50 per 15; send for circular and prices of stock; promptness is our specialty. Sturtevant Bros. Box 12, Kushla, Ala. 76

SINGLE COMB WHITE LEGHORNS exclusively. Large, standard bred, heavy layers, are as good as the best. Eggs from selected matings, \$1.00 per 15. Stock reasonable. Edward Montgomery, Knoxville, Tenn. 71

## MINORCAS

S. C. BLACK MINORCAS—with a show record. Eggs, \$3.00 for 15. 50 eggs for \$9.00. Satisfaction guaranteed. Mrs. W. S. Porter, 1908 Russell St., Nashville, Tenn. 72

WISMAN'S ROSE COMB WHITE MINORCAS are better than ever. Chas. Wisman, York, Pa. 72

NORTHUP S. C. B. MINORCAS. I won first and second cockerel, first pullet, Birmingham Fair, 1909; third pullet, fifth cockerel, Georgia Poultry Fair, Augusta, Ga. Eggs \$3 per 15. Half price after June 1st. A. Hall, Talladega, Ala. 71

S. C. BLACK MINORCAS—Try my fresh thoroughbred eggs from long bodied prize winning stock; champion layers. \$1.50 sitting; \$7 hundred. Mrs. P. V. Anderson, Cartersville, Va. 73

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LAST SPRING I bought a pen of Crystal White Orpingtons from Kellerstrass Farm and have been successful with them. This spring I can spare a few sittings of eggs at a very reasonable price, also Buff Rocks \$1.50; White Leghorns, \$1.00. Reference, Union Bank of Corinth. H. S. Green, Corinth, Miss. 71

EGGS FOR SALE—\$3.00 for 13, \$5.00 for 26, from Single Comb White Orpingtons (direct from Wm. Cook & Sons), also Barred Plymouth Rocks (Thompson's and Hawkin's strains). I won three firsts and one second prize at State Fair, Raleigh, N. C. A. J. Cheek, Henderson, N. C. 72

SINGLE COMB BUFF ORPINGTONS—Splendid size, shape and color; mine are winter layers; early maturing; eggs, \$1.50 and \$2.00 per 15. Mrs. Georgia West, R. 3, Morristown, Tenn. 72

BUFF ORPINGTON EGGS—\$1.50 to \$2.50 per 15 from prize winners. On five entries, I won four ribbons. R. H. Rule, Rockford, Tenn. 71

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I OFFER guaranteed mated Homers in any quantity at \$1.00 per pair, and challenge Squab companies or dealers to produce better stock at twice this price. Beautiful white Homers \$1.50 pair. Get my prices on Runts, Carneaux and Maltese Hens, and save dollars. "Charles Q." Gilbert, 1563 East Montgomery Ave., Philadelphia, Pa. 73

WANTED—5,000 Common or Homer pigeons. Pay at least 25c pair. Highest prices paid for Guinea Fowls, Live Rabbits, and Guinea Pigs. "T" Gilbert, 1128 Palmer Street, Philadelphia, Pa. 73

FREE—Illustrated catalogue hundreds fancy pigeons and squab breeders. Common pigeons wanted. The Michigan Pigeon Lofts, Box N, Port Huron, Mich. 71

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POLISH—All eight varieties; the most fruitful fowl living; something that you can show to your friends. Julius Frank & Son, Akron, Ohio. 72

## REDS.

SINGLE COMB RHODE ISLAND REDS—Early hatched pullets for sale. Eggs from select matings at reasonable prices. Satisfaction guaranteed. Dr. E. S. Landess, Fayetteville, Tenn. 71



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## REGISTERED HOLSTEINS

HOLSTEIN BULL CALVES, "bred in silk." Johnson Bible College, Kimberlin Heights, Tenn. 82

## REDS

SINGLE COMB REDS exclusively. Bred to lay and win. 15 eggs, \$1.25. Good hatch guaranteed. Mrs. B. M. Gibson, R. 2, Salem, Ind. 71

S. C. RHODE ISLAND REDS—2nd cockerel, Tenn. State Fair, 1908; 2nd cockerel, Tenn. Valley Fair, 1908; 1st pullet, Tenn. Valley Fair, 1908; 2nd pen, Tenn. Valley Fair, 1908; 1st cock, Tenn. Valley Fair, 1909; 2nd pullet, Tenn. Valley Fair, 1909. Eggs reasonable. Send for mating list. Geo. W. Wilkes, Huntsville, Ala. 72

SINGLE COMB RHODE ISLAND REDS. Healthy, vigorous, heavy laying strain from prize winning stock. Eggs, \$1.00 and \$2.00 per 15. H. E. Hutcheson, Gloucester, Va. 71

ROSE COMB RHODE ISLAND REDS—By winning fifteen ribbons at Tennessee State Fair, and nine at Tri-State, in 1909, we have proven our Reds to be the best in the South. Stock for sale. Eggs, \$2, \$3 and \$5.00 for fifteen. Hale & McCartney, Box 297, Lebanon, Tenn. 71

SINGLE COMB RHODE ISLAND REDS—Eggs, \$1.50 to \$2.00 per 15. Geo. L. Hunter, Johnson City, Tenn. 71

ROSE COMB Rhode Island Red eggs \$1 per 15, special matings; second matings, 75c for 15. Pure bred stock, farm raised and healthy; bred to lay. We keep Reds exclusively. Ship only fresh laid eggs. Mrs. P. B. Moses, Chatham, Va. 71

SINGLE COMB Rhode Island Reds, winners of first prizes at Ohio State Fair, Columbus, Ohio, in hot competition, also other leading shows. Birds good in color, shape and size; "Red Quill" strain; never beaten; eggs at reasonable prices. L. G. Cary, Trimble, Ohio. 73

CORNISH quality means the World's Best in Reds. Edwin R. Cornish, Ann Arbor, Mich. See advertisement outside back cover. 73

SINGLE COMB Rhode Island Reds. Eggs \$2.00 per 15. Geo. L. Hunter, Johnson City, Tenn. 71

SINGLE COMB Rhode Island Reds; winners of 47 prizes in three states; mating list free. B. E. Greer, Box B, Magnolia, Ark. 73

ROSE COMB Rhode Island Reds; stock raised from pens winning more than twenty prizes; eggs \$1.50 per 15, \$2.50 per 30; after June 1st \$1 per 15. W. L. Green, Spring Hill, Tenn. 73

WILLIAMSON STRAIN Rose Comb Rhode Island Reds. Prize winners in America's leading shows. Quick growers, vigorous and heavy layers. Eggs for hatching from select exhibition matings, \$1.50 per 15. Williamson Farms, Mattoax, Va. 71

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SAY!—Write today for our mating list of Columbian P. Rocks. Its free. Address Hartsock Bros., Box N, Cardington, Ohio. 71

KENTUCKY RINGLETS. Bred to win, lay and pay. Carefully mated pens for pullets or cockerels. Eggs, \$1.50 per 15. Free range eggs, \$4.00 per 100. Sunflower Poultry Farm, Altamont, Ky. 72

FOR SALE—First-class Barred Rock Eggs, \$1.00 per 15. Mrs. H. R. Foss, Midnight, Miss. 71

BARRED PLYMOUTH ROCKS exclusively. Famous Ringlets, blood of New York winners; layers and bound to be payers. The demand will be great; place your egg orders early to insure prompt delivery; only \$2 per 15. Daniel Suburban Poultry Yards, Hopkinsville, Ky. 73

WHITE PLYMOUTH ROCKS. "The Best in the World"—the U. R. Fishel strain. Bred to lay; bred to show. Blood lines do tell. Eggs \$1.50 and \$3.00 per 15. Stock for sale after June 1. Satisfaction guaranteed. Write me. C. M. Galey, Box D, Kemp, Texas. 73

EUREKA POULTRY YARDS. Barred Plymouth Rocks exclusively; prize winners; eggs, \$1.00, \$2.00, \$3.00 per 15. Write for circulars. H. F. Peers, R. 4, McMinnville, Tenn. 71

BARRED ROCKS exclusively. Eleven pens prize winning and bred to lay stock; eggs from \$1 to \$3 per 15. Fair Avon Poultry Yards, V. B. Hoffman, Manager, Easton, Md. 73

EGGS FOR HATCHING from pure Barred Rocks exclusively; best laying strain, farm raised, large, healthy and vigorous; Indian Runner Duck eggs \$1.00 for 10; all eggs shipped strictly fresh, selected and packed very carefully. Mrs. Keece Brooking, Somerset, Va. 73

"RINGLET" Barred Plymouth Rocks exclusively; laying strains; fresh and fertile eggs \$1 for 15. Mrs. John F. Payne, Ivy Depot, Va. 73

## SEVERAL VARIETIES



BREEDER AND SHIPPER OF ALL the leading varieties of land and water fowls. Far raised stock for sale and eggs incason. Send two cents in stamps for my poultry book. Henry Pfile, Box H, Freeport, Ill. 72

IDEAL POULTRY AND STOCK FARM. We have the finest birds this season that we have ever mated, and can give you eggs from prize winning pens of Buff Orpingtons, Black Minorcas and Silver Wyandottes at \$1.50 for 15 eggs. Eggs from good matings in Silver Laced Wyandottes, White Wyandottes, Buff Orpingtons, Brown Leghorns, Black Minorcas, Rhode Island Reds, B. P. Rock, and M. Pekin Ducks at \$1.00 per 15. Guarantee a hatch of 10. Satisfaction or money back. C. E. Smith, Afton, Tenn. 71

SINGLE COMB RHODE ISLAND RED cocks, White Wyandotte hens. Humphrey Bone Cutter, good as new, for \$8.00. Mrs. Chas. Seiferman, Corinth, Miss. 73

J. A. THORNHILL, Hartsells, Ala., sells Brown Leghorns and R. I. Red eggs that will hatch, from thoroughbred stock. 71

EGGS from select matings \$1 per 15. Rose Comb Reds, White Plymouth Rocks and White Leghorns. All breeders from best laying strain. Two third hatch guaranteed. Mrs. N. F. May, Hamburg, Miss. 71

S. C. BLACK MINORCAS—Indian Runner Ducks. Blue ribbon winners. Eggs, pen No. 1, \$1.50 per 15; pen No. 2, \$1.00 per 15; duck eggs, \$1.50 per 15. Special prices on 50 and 100 lots. Mrs. J. F. Carroll, Hohenwald, Tenn. 71

BUTTERCUPS, Single Comb Black Minorcas, White Wyandottes. Breeding stock for sale. Eggs, \$1.50 and \$2.00 setting. J. B. Sander, R. 7, Box 99, Paducah, Ky. 74

EXTENSIVE Catalogue Free. 20 eggs, \$1.00. Leading varieties poultry, ducks, etc. H. H. Godshall, Box S, Telford, Pa. 71

S. C. WHITE and BROWN LEGHORNS—Also S. C. Buff Orpington eggs, at \$2.00 per 15 eggs. I. N. Grubbs, R. 2, Afton, Tenn. 71

EGGS from thoroughbred Single Comb Rhode Island Reds and White Leghorns, \$1.50 and \$2.00. Cockerels cheap. Dr. Vetoe Phillips, Bear Creek, Ala. 71

EGGS—Black Minorca, R. C. Reds, Silver Penciled Rocks, also Pekin Duck. Mrs. J. H. Browning, Judsonia, Ark. 71

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NOTICE—Don't buy White Plymouth Rock and Buff Leghorn eggs until you get my prices; post card will bring mating list. Geo. W. Evans, Buckeye, Mo. 71

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PRIZE WINNING White Wyandotte eggs, \$2; S. C. Brown Leghorn eggs \$1.00 per 15. Mrs. M. W. Ratliff, R. 4, Somerville, Ala. 73

INDIAN RUNNER Duck eggs \$1 per 13; R. C. Rhode Island Red and S. C. White Leghorn eggs \$1 per 15. Mrs. Lee Johnson, Manassas, Va. 73

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THOROUGHbred Single Comb Buff Leghorn and Barred Rock eggs \$1.50 per 15. Mrs. Allen N. Dorris, R. 1, Hendersonville, Tenn. 73

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FOR SALE — 40 BUFF WYANDOTTES. J. M. Workman, Burlington, N. C. 81

BUFF WYANDOTTES. Excellent shape and color. Eggs from best pen, \$2.00 per 15. Dr. M. R. Moorman, Huntsville, Ala. 71

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Direct from Fishel's pens. Genuine photographs of my stock free with each setting or mailed upon receipt of roc. First grand pen headed by elegant male formerly owned and bred by U. R. Fishel. For beauty, egg production and table they are IT. Selected eggs for hatching from this famous strain, \$1.00, \$1.50 and \$2.00 per setting of 15.

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Eggs from large farm raised stock, bred to lay for fifteen years. Fertility guaranteed. Prompt shipments. Circular. Eggs \$1 per 15, \$1.50 per 30, \$4 per 100.

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